Yahoo Group Archive: kenwoodr300

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2006-03-16 through 2017-08-11

Source WARC: kenwoodr300.yyKE6F5.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-12-23T09-31-09Z-2d235f

Messages included in this PDF: 130

Messages omitted as spam from this PDF: 1

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. new member

Yahoo group: kenwoodr300
Date: 2006-03-16 21:30:09 UTC
From: wa3009swl
Topic: 1 Message: 1

hi jim, thanks for the heads up on the kenwood r300 group. i just joined. see ya later. gil. qth Pa.

2. Audio Quality?

Yahoo group: kenwoodr300
Date: 2006-03-18 01:36:21 UTC
From: pajamaslavedancer
Topic: 2 Message: 2

I've had my R-300 for about a year now- bought it from the original owner on eBay. It is immaculate and very well preserved, and it even came with both bandspread drums. Overall, a very nice receiver from the late 70's.

However... I've heard better audio coming from a Burger King drive-thru speaker. It makes no difference whether I use the internal speaker, external speaker, or headphones. The audio is shrill and grating no matter what.

Has anyone else had this experience?

3. Re: Audio Quality?

Yahoo group: kenwoodr300
Date: 2006-03-19 00:12:02 UTC
From: Jim
Topic: 2 Message: 3

> However... I've heard better audio coming from a Burger King
> drive-thru speaker. It makes no difference whether I use the internal
> speaker, external speaker, or headphones. The audio is shrill and
> grating no matter what.
>
> Has anyone else had this experience?

Not my my R300 (although the audio tends to be a bit tinny with the built in speaker--but it sounds great on my external Motorola speaker). But on other receiver, yes...

If the electrolytic caps in the audio section dry out or age, they tend to lose capacitance and gain leaking resistance. This usually causes the audio to get more an more tinny (lose bass response, and become shrill). If there is feedback in the audio amp stage, it can decrease the feedback and cause the amp to go into distortion.

If you've got a signal tracer, I'd check the quality of the audio right out of the detector diode and see if it's okay. If so, I'd go though all the electrolytic caps in the audio stage. If you have an ESR meter, you might be able to find the one or two that are bad and just replace them. If you don't, it's probably just easier to replace them all. I'll usually double the values in radios that don't have enough bass response for my tastes.

This is a fairly common problem in this vintage radio. I've fixed a number of Realistic DX-150s and DX-160s with similar symptoms.

73 de
Jim W4JBM

http://www.geocities.com/w4jbm

"With a soldering iron in one hand, a schematic in the
other, and a puzzled look on his face..."

4. Re: Audio Quality?

Yahoo group: kenwoodr300
Date: 2006-03-19 00:35:20 UTC
From: wa3009swl
Topic: 2 Message: 4

i do not use the internal speaker in my r 300. i had an external speaker from a dx 160 i paid $1.00 for it 3 years ago at a yard sale. speaker & plug in good shape, no scratches dents etc. just a little dusty. cleaned it up and works good.my hearing is not what it used to be but i have to say it improved the audio from the r 300. i piched this up on e bay last year about this time. gil
>

5. Re: Audio Quality?

Yahoo group: kenwoodr300
Date: 2006-03-19 21:32:29 UTC
From: pajamaslavedancer
Topic: 2 Message: 5

--- In kenwoodr300@yahoogroups.com, Jim <w4jbm@...> wrote:
> Not my my R300 (although the audio tends to be a bit tinny with the
> built in speaker--but it sounds great on my external Motorola
> speaker).

That's reassuring. I was concerned that my receiver's audio might be
the norm for all R-300s

> If there is feedback in the audio amp stage, it can decrease the
> feedback and cause the amp to go into distortion.

There *is* some distortion- the audio sounds a bit like it's being
piped through a pocket comb with a piece of tissue paper streched
across the teeth. In a word: raspy. At first I suspected the internal
speaker, but the distortion is also present in external speakers and
headphones.

I'll take your advice to check and replace caps in the audio section.

Marshall
N4GEX

6. Re: Audio Quality?

Yahoo group: kenwoodr300
Date: 2006-03-19 21:39:44 UTC
From: pajamaslavedancer
Topic: 2 Message: 6

--- In kenwoodr300@yahoogroups.com, "wa3009swl" <wa3009swl@...> wrote:

I also have an external speaker for my R-300. It's some variant of Radio Shack's Optimus bookshelf speaker line that I got on sale several years ago for a few bucks. It produces great audio for my other rigs (Kenwood R-2000, Icom R-75, and Hammarlund HQ-140X), but it can't do much for the R-300.

I usually listen to the R-300 with a pair of David Clark aviation headphones. They're more forgiving of the nasty audio than anything else I have tried.

7. EUROPEAN AMPLITUDE MODULATION AMATEUR RADIO GROUP

Yahoo group: kenwoodr300
Date: 2006-09-10 13:35:22 UTC
From: gvastianos
Topic: 7 Message: 7

EUROPEAN AMPLITUDE MODULATION AMATEUR RADIO GROUP

NEW YAHOO GROUP: http://groups.yahoo.com/group/eamarg/

This is a group for licenced amateur radio operators (HAMs) who are interested in the AMPLITUDE MODULATION (AM) mode of communications. The group exists to promote the AM operation in the HAM bands and provide information about operating events and technical matters.

EAMARG encourages regional AM activity insuring there is AM available somewhere on the amateur bands. Based on the fact that the majority of the AM calling frequencies in USA belong outside the european HF bandplans... one of the EAMARG main goals is to help in the establishment of AM calling frequencies that will be compatible with the HF bandplans of the european countries.

EAMARG future plans including the sponsorship of operating events and contests that will promote the use of Amplitude Modulation.

In order to join this group YOU MUST BE a licenced radio amateur. Only membership requests that include name and valid callsign will be accepted.

8. Previous model

Yahoo group: kenwoodr300
Date: 2007-01-22 02:05:18 UTC
From: Daniel
Topic: 8 Message: 8

Hi people,
I have the previous model the QR-666 and I was wondering where I can
get the circuits for it.

Main PCB
Marker
FM radio.

Many thanks in advance,
Daniel

11. R-300 upgrade modifications

Yahoo group: kenwoodr300
Date: 2008-01-26 03:36:52 UTC
From: Frank Cathell
Topic: 11 Message: 11

I got ambitious and upgraded my R-300 by replacing some electrolytic capacitors and it was well worth it. I replaced all the electrolytic caps in the audio circuit with new caps and replaced the 1 uF and 0.47 uF interstage coupling caps with (non-polarized) ceramic caps. There are a few of the latter on the front panel switching pc board. The improvement to the audio was very significant. I also changed C11 on the audio board to 680 uF and this improved the bass response.

I also changed C18, the AGC cap on the IF board to 1000 uF which slowed down the AGC sufficiently so that SSB copy is much smoother without excessive AGC pumping. The AGC response is still adequate for AM. The only problem I still notice with the audio is the distortion that occurs with music. I don't detect anything with voice. I need to probe the audio board with a scope to see what this is. It doesn't seem to change with volume (any ideas?)

The RF gain pot (VR1) was changed to a 500 ohm pot which made the control resolution much better than with the 5K pot where most of the gain drop is at the very low end.

I'm planning on re-doing the IF filter section on the switch board to incorporate better quality 6 kHz and 3.5 kHz Murata ceramic filters.

Frank
K3YAZ
Tucson, AZ

12. AGC and/or gain problem question

Yahoo group: kenwoodr300
Date: 2008-02-04 04:01:22 UTC
From: Frank Cathell
Topic: 12 Message: 12

Has anyone experienced distortion on their R-300, especially on music and low frequency notes? My 300 is fine on voice but is distorted on music unless the RF gain is reduced to almost minimum. I've done some preliminary troubleshooting and it is definitely not in the audio section but appears to be related to either the IF amplifier stages or poor linearity in the AGC. Has anyone else experienced this and/or fixed it?

Thanks for any comments.

Frank
K3YAZ
Tucson

13. Re: AGC and/or gain problem question

Yahoo group: kenwoodr300
Date: 2008-02-10 23:26:53 UTC
From: Jim M
Topic: 12 Message: 13

> Has anyone experienced distortion on their R-300, especially
>on music and low frequency notes?

I haven't seen this in the R300, but I've seen it in other receivers when there's something going on in the AGC. I usually check the power supply first (I do that with just about every radio I work on--been burned enough with strange issues that turn out to be power supply related), then the AGC capacitor, then the rest of the AGC.

A bit of an oversimplification is that a leaky capacitor (in terms of resistance) drains off the AGC voltage faster than it should and so the IF chain doesn't back down gain as much as it should.

Could be several other things, but from what I've seen that's where I'd start.

73,
Jim

Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

15. Re: You've received a private message from a friend!

Yahoo group: kenwoodr300
Date: 2008-02-22 13:52:10 UTC
From: Jim
Topic: 10 Message: 15

I've banned this member (which is probably actually a spam robot rather than a real person anyway).

Right now membership in this group is open and postings are unmoderated. Usually spammers don't target groups this small (around 25 members). Hopefully we won't see much of this, but if we do we can change to moderating memberships and/or posts.

Unfortunately, my R300 is on the shelves instead of the radio bench right now because of room. I've been playing with an old Lafayette HE-80. I also have a Realistic DX-200 that I need to align. After those, the R300 will probably be back in the rotation for a while.

73,
Jim

16. Re: R-300 upgrade modifications

Yahoo group: kenwoodr300
Date: 2008-02-25 03:51:00 UTC
From: mihaildutchevici
Topic: 11 Message: 16

--- In kenwoodr300@yahoogroups.com, "Frank Cathell" <fcathell@...> wrote:
>
> I got ambitious and upgraded my R-300 by replacing some electrolytic
> capacitors and it was well worth it. I replaced all the electrolytic
> caps in the audio circuit with new caps and replaced the 1 uF and
> 0.47 uF interstage coupling caps with (non-polarized) ceramic caps.
> There are a few of the latter on the front panel switching pc board.
> The improvement to the audio was very significant. I also changed C11
> on the audio board to 680 uF and this improved the bass response.
>
> I also changed C18, the AGC cap on the IF board to 1000 uF which
> slowed down the AGC sufficiently so that SSB copy is much smoother
> without excessive AGC pumping. The AGC response is still adequate for
> AM. The only problem I still notice with the audio is the distortion
> that occurs with music. I don't detect anything with voice. I need
> to probe the audio board with a scope to see what this is. It doesn't
> seem to change with volume (any ideas?)
>
> The RF gain pot (VR1) was changed to a 500 ohm pot which made the
> control resolution much better than with the 5K pot where most of the
> gain drop is at the very low end.
>
> I'm planning on re-doing the IF filter section on the switch board to
> incorporate better quality 6 kHz and 3.5 kHz Murata ceramic filters.
>
> Frank
> K3YAZ
> Tucson, AZ
>
I am the one who bought this radio . I hope works like in your
description M

19. Re: R-300 upgrade modifications

Yahoo group: kenwoodr300
Date: 2008-03-19 23:16:21 UTC
From: mihaildutchevici
Topic: 11 Message: 19

--- In kenwoodr300@yahoogroups.com, "Frank Cathell" <fcathell@...> wrote:
>
> I got ambitious and upgraded my R-300 by replacing some electrolytic
> capacitors and it was well worth it. I replaced all the electrolytic
> caps in the audio circuit with new caps and replaced the 1 uF and
> 0.47 uF interstage coupling caps with (non-polarized) ceramic caps.
> There are a few of the latter on the front panel switching pc board.
> The improvement to the audio was very significant. I also changed C11
> on the audio board to 680 uF and this improved the bass response.
>
> I also changed C18, the AGC cap on the IF board to 1000 uF which
> slowed down the AGC sufficiently so that SSB copy is much smoother
> without excessive AGC pumping. The AGC response is still adequate for
> AM. The only problem I still notice with the audio is the distortion
> that occurs with music. I don't detect anything with voice. I need
> to probe the audio board with a scope to see what this is. It doesn't
> seem to change with volume (any ideas?)
>
> The RF gain pot (VR1) was changed to a 500 ohm pot which made the
> control resolution much better than with the 5K pot where most of the
> gain drop is at the very low end.
>
> I'm planning on re-doing the IF filter section on the switch board to
> incorporate better quality 6 kHz and 3.5 kHz Murata ceramic filters.
>
> Frank
> K3YAZ
> Tucson, AZ
>
Frank I am Mike and I am the one who bought the radio Works as
expected Thank you

22. kenwood R300's father

Yahoo group: kenwoodr300
Date: 2008-12-15 08:13:00 UTC
From: tunedguy57
Topic: 22 Message: 22

Hi all
I am wondering if anyone here knows if Kenwood QR666 has the same circuit as R300.
The two receiver have the same look, and they should have much in common, inside too.
If yes, is there anyone having schematic of R300?

regards
dave

23. QR666

Yahoo group: kenwoodr300
Date: 2008-12-17 03:29:31 UTC
From: Brady
Topic: 23 Message: 23

Here is a start

http://www.dxing.com/rx/r300.htm

http://www.universal-radio.com/catalog/commrxvr/qr666.html

http://inform3.kenwoodusa.com/AMA_Service_Bulletins/ASB0003.JPG

http://bama.sbc.edu/free.htm

24. Re: kenwood R300's father

Yahoo group: kenwoodr300
Date: 2008-12-17 22:04:16 UTC
From: Jim
Topic: 22 Message: 24

> I am wondering if anyone here knows if Kenwood QR666 has the same
> circuit as R300.
> The two receiver have the same look, and they should have much in
> common, inside too.
> If yes, is there anyone having schematic of R300?

At a hamfest a while back, I purchased a Lafayette HE-80 on a whim. It was from an older gent who was moving and downsizing his collection of radios.

In researching a bit, I found the HE-80 was built for Lafayette by Trio. I've been told that you can find similarities (in the circuit, not the appearance) to the Trio 9R-59. Receiver later evolved into the Trio 9R-59DS which was later replaced with the solid-state Kenwood GR-666. A few years later the updated version (I haven't compared schematics so I don't know what was updated) of the GR-666 was the Kenwood R300.

I do have a somewhat readable schematic of the R300 someplace. I meant to post it to the group files, but I think I got distracted and never got around to it. I'll try to dig it up again.

73 de
Jim W4JBM

http://www.geocities.com/w4jbm

"With a soldering iron in one hand, a schematic in the
other, and a puzzled look on his face..."

Working the world from the New Dog Iron Ranch!

25. New file uploaded to kenwoodr300

Yahoo group: kenwoodr300
Date: 2008-12-22 14:31:49 UTC
From: kenwoodr300@yahoogroups.com
Topic: 25 Message: 25

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the kenwoodr300
group.

File : /Kenwood_R300_Schematic.jpg
Uploaded by : w4jbm <w4jbm@...>
Description : R300 Schematic

You can access this file at the URL:
http://groups.yahoo.com/group/kenwoodr300/files/Kenwood_R300_Schematic.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

w4jbm <w4jbm@...>

26. R300 variant and audio pb

Yahoo group: kenwoodr300
Date: 2009-03-11 21:51:54 UTC
From: olivierpalix
Topic: 26 Message: 26

Hi,I just have bought a nice R300 at moderate price (83 Euros or 107 US dollars).I have also the Service manual (revised).On my R300 the 3SK35 are replaced by 3SK41.The service manual show 3SK41 on the diagram.The set is sensitive,just slighty below my FRG7,but on strong signal the audio is distorded.I have upgraded the audio amp by replacing 0.47MFD by non polarised,but I think that the problem is with AGC on IF and perhaps RF stages.Has someone found a solution to modify AGC and fix this problem?
Dual conversion is only on band F,is it possible to apply dual conversion to band E? If I find something I shall notice to you.
Regards and 73.
Olivier

27. Re: R300 variant and audio pb

Yahoo group: kenwoodr300
Date: 2009-03-11 23:19:40 UTC
From: Jim
Topic: 26 Message: 27

> ...but on strong signal the audio is distorded...
>
> ...but I think that the problem is with AGC on IF and
> perhaps RF stages.

Sounds like an AGC problem. I don't have the service manual, but I'd check the values of the resistors and check the time constantant capacitor. Sometimes the resistors are out of tolerance. Other times the capacitor has developed a leakage resistance. Sometimes you also find problems with aging ACG diode detectors and the transistor used the amplify the AGC signal.

Once I was sure all of that was right, I'd either wing it on calibrating the AGC (if I didn't have a manual--basically start with some reasonable signal strength is S9 and then tweak until things work right) or calibrate by the manual (obviously the best option).

73 de
Jim W4JBM

http://www.geocities.com/w4jbm

"With a soldering iron in one hand, a schematic in the
other, and a puzzled look on his face..."

Working the world from the New Dog Iron Ranch!

28. R 300

Yahoo group: kenwoodr300
Date: 2009-03-12 17:04:20 UTC
From: olivierpalix
Topic: 28 Message: 28

Hi Jim,how I can do to upload scans of shemes? I think that printed circuits board will be interesting for menbers.
Concerning distortion,on the IF board I have soldered a 300pf capacitor in parallel on C9 (33pf),this increase AGC and improve audio.This capa C9 is near VR2 in the center of the IF printed board.There is no effect on alignment.I am waiting your tests and results.73.
Olivier

29. Re: R 300

Yahoo group: kenwoodr300
Date: 2009-03-12 21:02:45 UTC
From: Jim
Topic: 28 Message: 29

> Hi Jim,how I can do to upload scans of shemes? I think that printed
> circuits board will be interesting for menbers.

You can either use a Yahoo log-in and go to the group page and put them in the files section:

http://groups.yahoo.com/group/kenwoodr300/files/

Or you can e-mail them to me and I'll upload them.

> Concerning distortion,on the IF board I have soldered a 300pf
> capacitor in parallel on C9 (33pf),this increase AGC and improve
> audio.This capa C9 is near VR2 in the center of the IF printed
> board.There is no effect on alignment.

I'm to lazy to do the math, but that seems like a pretty big change. If you look at the schematic, C9's function is to let RF pass to the AM detector (D3) while not letting the detected AF feed back into the AGC.

C9 really shouldn't be passing any AF frequencies--it should only pass the RF to the detector. But the reality is that it's not a "perfect" one way flow. But by putting a significantly larger capacitor there you are letting more AF flow "backwards" through it into the AGC section. It actually probably degrades instead of enhances AF quality.

So I'd pull the extra capacitance out and I think that will probably help with your AGC issues. AF in an RF AGC circuit is bad news. If you look at the design of AF AGCs (not used much) as compared to RF AGCs, you'll see the that time constants are handled very differently. With AF AGCs, you need fairly long time constants to deal with the "peaks and valleys" of voice amplitude (with pauses of silence and such).

73 de
Jim W4JBM

Shortwave - Kenwood TS-570D(G) with ground level Butternut Vertical
Longwave - Yaesu FT-857D with Mini-Whip at 20 feet
Location - Bowdon Junction, GA USA (33.6581,-85.1249 EM73)

http://www.geocities.com/w4jbm

"With a soldering iron in one hand, a schematic in the
other, and a puzzled look on his face..."

Working the world from the New Dog Iron Ranch!

30. Tuning the R-300

Yahoo group: kenwoodr300
Date: 2009-03-13 22:34:26 UTC
From: Gleason Sackmann
Topic: 30 Message: 30

Hi!

I am working on getting a Kenwood R-300 and have a quick question:

What is the sequence for tuning the rig to 9325.00? [or any other frequency for that matter]

Thanks in advance...

31. S-meter peaks backward in AM

Yahoo group: kenwoodr300
Date: 2009-10-12 18:40:14 UTC
From: Daniel
Topic: 31 Message: 31

Hi guys!
I replaced C18 (IF boeard) 2.2uF for 470uF and the SSB receiving is nice!
Also replace audio capacitors for non-polarized ones, but while AM Mode, s-meter indicator peaks down during modulation, despite stations have "positive modulation" ...any suggestion?

Thanks a lot in advance!

LU4EG, Dany.

32. My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-07 05:59:29 UTC
From: wa6kyo@qrp.biz
Topic: 32 Message: 32

Hello! Great to see a group for The 300 here on Yahoo! Has anyone replaced a dial lamp? If so, can you recommend a lamp? A part number, voltage/current rating, etc...would be helpful. Maybe Radio Shack numbers 272-1154 or 272-1143 would work? Both are 12 Volt lamps. Anyone use a white or green LED? Thanks, 73, Jack WA6KYO

33. My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-08 06:13:22 UTC
From: Gerald Yowell
Topic: 32 Message: 33

[i]Hello! Great to see a group for The 300 here on Yahoo! Has anyone replaced a dial lamp? If so, can you recommend a lamp? A part number, voltage/current rating, etc...would be helpful. Maybe Radio Shack numbers 272-1154 or 272-1143 would work? Both are 12 Volt lamps. Anyone use a white or green LED? Thanks, 73, Jack WA6KYO[/i]

Check the voltage going to the solder points for the lamp. If it is 12 volts, you should be fine with a small lamp from RS. If not, then you need to find a bulb of the appropriate voltage.

34. Re: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-08 15:21:51 UTC
From: mihail dutchevici
Topic: 32 Message: 34

The lamp is 12V 40 mA. You can find it at R.S problem is :the lamp will go out after 8m-2years.
M

From: Gerald Yowell <yowje@...>
To: kenwoodr300@yahoogroups.com
Sent: Sat, May 8, 2010 2:13:22 AM
Subject: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

[i]Hello! Great to see a group for The 300 here on Yahoo! Has anyone replaced a dial lamp? If so, can you recommend a lamp? A part number, voltage/current rating, etc...would be helpful. Maybe Radio Shack numbers 272-1154 or 272-1143 would work? Both are 12 Volt lamps. Anyone use a white or green LED? Thanks, 73, Jack WA6KYO[/i]

Check the voltage going to the solder points for the lamp. If it is 12 volts, you should be fine with a small lamp from RS. If not, then you need to find a bulb of the appropriate voltage.

35. Re: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-08 15:14:27 UTC
From: Dennis Windle
Topic: 32 Message: 35

The schematic shows the lamps are 12V 1.5W which equates to a 12V 125MA lamp. To use an LED Goggle "LED Calculator" and once you find the LED you want to use plug the LED specs into the calculator along with 12Volts for the source voltage and it will give you the resistor size you will need. Keep in mind that a incandesant lamp has approx a 180 degrees viewing angle which means it can somewhat evenly light up the surrounding area for 180 degrees (like inside the R300 tuning drums), where an LED's varies in viewing angle and they are usually relatively narrow so you need to pick one with the widest viewing angle you can find unless you just want to illuminate a very small area (like an on/off indicator).

D.Windle

----- Original Message -----
From: Gerald Yowell
To: kenwoodr300@yahoogroups.com
Sent: Saturday, May 08, 2010 2:13 AM
Subject: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

[i]Hello! Great to see a group for The 300 here on Yahoo! Has anyone replaced a dial lamp? If so, can you recommend a lamp? A part number, voltage/current rating, etc...would be helpful. Maybe Radio Shack numbers 272-1154 or 272-1143 would work? Both are 12 Volt lamps. Anyone use a white or green LED? Thanks, 73, Jack WA6KYO[/i]

Check the voltage going to the solder points for the lamp. If it is 12 volts, you should be fine with a small lamp from RS. If not, then you need to find a bulb of the appropriate voltage.

36. Re: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-09 10:03:12 UTC
From: msiffer
Topic: 32 Message: 36

Hi to all

In the Kenwood-Trio 300 I have ,I made the resistor going to the dial lamps smaller and connected a NTC(negative Temperature Coefficient) resistor in series.When I switch on ,slowly as the NTS resistor heats up,its resistance drops and slowly the lamps get brighter.Since years I did not replace the dial lamps.

Cheers

Maurice(Australia)

37. Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-09 13:19:07 UTC
From: n0sya
Topic: 32 Message: 37

Here is some commentary on the subject stolen from the Icom R71 group:

Sat, May 8, 2010 6:48:05 AM[ICOMR71A] Digest Number 785
From: "ICOMR71A@yahoogroups.com" <ICOMR71A@yahoogroups.com> Add to Contacts
To: ICOMR71A@yahoogroups.com

There are 8 messages in this issue.

Topics in this digest:

1a. Re: IC-R71A PCB's
From: avery_joe@...

2a. ICOM R-71A REPLACEMENT BULB FOR METER
From: DANIEL MINOR
2b. Re: ICOM R-71A REPLACEMENT BULB FOR METER
From: John Bernaerts
2c. Re: ICOM R-71A REPLACEMENT BULB FOR METER
From: DANIEL MINOR
2d. Re: ICOM R-71A REPLACEMENT BULB FOR METER
From: Caulfield
2e. Re: ICOM R-71A REPLACEMENT BULB FOR METER
From: Bob Betts
2f. Re: ICOM R-71A REPLACEMENT BULB FOR METER
From: DANIEL MINOR
2g. Re: ICOM R-71A REPLACEMENT BULB FOR METER
From: DANIEL MINOR

Messages

1a. Re: IC-R71A PCB's
Posted by: "avery_joe@..." wb4eot@... avery_joe@...
Date: Fri May 7, 2010 7:31 am ((PDT))

Greg,

Do you have R71A Display Boards available?

Joe

WB4EOt

--- In ICOMR71A@yahoogroups.com, Greg Bowne <gbowne1@...> wrote:
>
> I am selling brand new replacement PCB's for the:
>

> ICOM IC-R70
> ICOM IC-R71
> ICOM IC-R71A
> ICOM IC-R71E
>
> I can also supply boards as a kit, partially assembled or fully assembled boards along with full documentation.
>
> I also provide a board exhange. You send me your old boards. I will send you my replacements for half the cost of my assembled boards.
>
> All boards are of USA manufacture, RoHS quality and the PCB's & PCB artwork were inspected and reviewed by ICOM America technical and engineering staff for quality purposes.
>
> Greg
>

Messages in this topic (7)

2a. ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "DANIEL MINOR" minor237@... minor237@...
Date: Fri May 7, 2010 10:30 am ((PDT))

Hello,
I'am looking for a bulb for my icom -r71a meter, the bulb burnt out, i read an e mail sometime ago about this bulb,it stated the best bulb replacement for ther- 71a is a cool running bulb,it burns half of the bulb,the top maybe whited out ,i believe it would not burn/discolor the meter, So, does anyone have any idea on a bulb replacement like this? and where i can buy it? it maybe 12 volt? or any bulb replacement?

Thanks Dan
MINOR237@...

Messages in this topic (7)

2b. Re: ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "John Bernaerts" john.bernaerts@... johnbernaerts
Date: Fri May 7, 2010 10:54 am ((PDT))

Dan,

I replaced mine with a led from wich I diffused the top of it with a soft sandpaper . It gives a fine result at no cost.

John
Hello,
I'am looking for a bulb for my icom -r71a meter, the bulb burnt out, i read an e mail sometime ago about this bulb,it stated the best bulb replacement for ther- 71a is a cool running bulb,it burns half of the bulb,the top maybe whited out ,i believe it would not burn/discolor the meter, So, does anyone have any idea on a bulb replacement like this? and

where i can buy it? it maybe 12 volt? or any bulb replacement?

--'-.---

Messages in this topic (7)

2c. Re: ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "DANIEL MINOR" minor237@... minor237@...
Date: Fri May 7, 2010 2:27 pm ((PDT))

Thank You, that's great, What do i ask for ? a 12 volt led at radio shack ? Sorry, i do not know much on this. Thanks Dan

--- On Fri, 5/7/10, John Bernaerts <john.bernaerts@...> wrote:

From: John Bernaerts <john.bernaerts@...>
Subject: Re: [ICOMR71A] ICOM R-71A REPLACEMENT BULB FOR METER
To: ICOMR71A@yahoogroups.com
Date: Friday, May 7, 2010, 1:53 PM

Dan,

I replaced mine with a led from wich I diffused the top of it with a soft sandpaper . It gives a fine result at no cost.

John

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--'-.---

Messages in this topic (7)

2d. Re: ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "Caulfield" oztion@... oztion@...
Date: Fri May 7, 2010 6:47 pm ((PDT))

Any high-brightness white, yellow or off-white (preferred) LED should do. You'll also need to fit a series current limiting resistor, approximately 500 ohms or so (adjust value to suit your brightness preferences).

Lamp DS2 is normally powered from the 13.8 volt bus. When dimmed, it is connected to D10, a 3.9 volt Zener diode. Thus, it will get about 9.9 volts when dimmed. Because the operating voltage of high brightness LEDs is around 3 volts, you may need to put a dummy load resistor across the LED so it can dim sufficiently (Suggest 600 ohms or so). This will make it a voltage divider and current limiter, which helps the LED dim better. As I have yet to experience a lamp failure, I have not had the need to do this myself. So you'll just have to experiment with resistor values to get it 'right'. Let us know how you go, I'm sure there are others who have blown s-meter lamps and also want to do the same.

As John said, you will need to use sandpaper (or a Dremel tool) to roughen all the surfaces of the LED. This will make it emit an even balance of light all around, and not just to the front of the LED. I recommend you sanding the front surface of the LED flat, so there is no lens effect, which can cause uneven brightness when installed behind the s-meter.

If you can't get an off-white LED, you can use yellow permanent marker to 'colour in' the LED after sanding it.

- Oztion

--- In ICOMR71A@yahoogroups.com, DANIEL MINOR <minor237@...> wrote:
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> Thank You, that's great, What do i ask for ? a 12 volt led at radio shack ? Sorry, i do not
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>
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> From: John Bernaerts <john.bernaerts@...>
> Subject: Re: [ICOMR71A] ICOM R-71A REPLACEMENT BULB FOR METER
> To: ICOMR71A@yahoogroups.com
> Date: Friday, May 7, 2010, 1:53 PM
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> Â
> __,_.___
>

Messages in this topic (7)

2e. Re: ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "Bob Betts" rwbetts@... bobbetts06
Date: Fri May 7, 2010 7:13 pm ((PDT))

Besides the R-71A, I have replaced a number of lamps with LEDs. One of my favorites are the flat top amber LEDs. The flat tops have wide dispersion and the amber is much more natural (to me) than yellow or white. And, yes, rough-up the front surface a bit...it really helps spread the light around. I usually run them at 10 to 15 mA ... 1K to 2.2K resistor in series. On an old DX-302, I put in some tri-color LEDs with a switch in the back. I did this because I'm a bit crazy (I guess), but it's kind of fun to be able to switch between red, green and blue. Ain't life fun!

Bob, N1KPR

http://www.bobsamerica.com
Music, Audio, Radio
"It's all good."
<snip>
--- On Fri, 5/7/10, Caulfield <oztion@...> wrote:

From: Caulfield <oztion@...>
Subject: [ICOMR71A] Re: ICOM R-71A REPLACEMENT BULB FOR METER
To: ICOMR71A@yahoogroups.com
Date: Friday, May 7, 2010, 9:47 PM

Any high-brightness white, yellow or off-white (preferred) LED should do. You'll also need to fit a series current limiting resistor, approximately 500 ohms or so (adjust value to suit your brightness preferences) .

Messages in this topic (7)

2f. Re: ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "DANIEL MINOR" minor237@... minor237@...
Date: Fri May 7, 2010 9:12 pm ((PDT))

YES, Bob Life is great no matter the color,Thanks Dan

--- On Fri, 5/7/10, Bob Betts <rwbetts@sbcglobal.net> wrote:

From: Bob Betts <rwbetts@...>
Subject: Re: [ICOMR71A] Re: ICOM R-71A REPLACEMENT BULB FOR METER
To: ICOMR71A@yahoogroups.com
Date: Friday, May 7, 2010, 10:13 PM

Besides the R-71A, I have replaced a number of lamps with LEDs. One of my favorites are the flat top amber LEDs. The flat tops have wide dispersion and the amber is much more natural (to me) than yellow or white. And, yes, rough-up the front surface a bit...it really helps spread the light around. I usually run them at 10 to 15 mA ... 1K to 2.2K resistor in series. On an old DX-302, I put in some tri-color LEDs with a switch in the back. I did this because I'm a bit crazy (I guess), but it's kind of fun to be able to switch between red, green and blue. Ain't life fun!

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<snip>
--- On Fri, 5/7/10, Caulfield <oztion@y7mail. com> wrote:

From: Caulfield <oztion@y7mail. com>
Subject: [ICOMR71A] Re: ICOM R-71A REPLACEMENT BULB FOR METER
To: ICOMR71A@yahoogroup s.com
Date: Friday, May 7, 2010, 9:47 PM

Any high-brightness white, yellow or off-white (preferred) LED should do. You'll also need to fit a series current limiting resistor, approximately 500 ohms or so (adjust value to suit your brightness preferences) .

Messages in this topic (7)

2g. Re: ICOM R-71A REPLACEMENT BULB FOR METER
Posted by: "DANIEL MINOR" minor237@... minor237@...
Date: Fri May 7, 2010 9:15 pm ((PDT))

ok, Thank you. Dan

--- On Fri, 5/7/10, Caulfield <oztion@...> wrote:

From: Caulfield <oztion@...>
Subject: [ICOMR71A] Re: ICOM R-71A REPLACEMENT BULB FOR METER
To: ICOMR71A@yahoogroups.com
Date: Friday, May 7, 2010, 9:47 PM

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If you can't get an off-white LED, you can use yellow permanent marker to 'colour in' the LED after sanding it.

- Oztion

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like this? and where i can buy it? it maybe 12 volt? or any bulb replacement?
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Messages in this topic (7)

Yahoo! Groups Links

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38. Re: S-meter peaks backward in AM

Yahoo group: kenwoodr300
Date: 2010-05-09 13:22:37 UTC
From: n0sya
Topic: 31 Message: 38

Hi Dany,
Did the 300 do this on am before the cap mods? If not, I would half the capacitor values and try those.

Chris

39. Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-09 17:52:13 UTC
From: Jim
Topic: 32 Message: 39

I'm not sure if the dial lights are AC powered or DC powered, but if they are AC powered another trick is to put a diode in series with them. That will cut the intensity in. I've done this and put a switch to short the diode out on the back panel of other radios so I could switch to full intensity when I wanted.

73 de
Jim W4JBM

http://www.hamuniverse.com/w4jbm/

"With a soldering iron in one hand, a schematic in the other, and a puzzled look on his face..."

Working the world from the New Dog Iron Ranch!

40. Re: [kenwoodr300] Re: S-meter peaks backward in AM

Yahoo group: kenwoodr300
Date: 2010-05-09 22:11:31 UTC
From: Daniel (LU4EG)
Topic: 31 Message: 40

Yes the 300 do this before the caps mods, ok?
Thanks Chris!

2010/5/9, n0sya <n0sya@...>:
>
>
>
> Hi Dany,
> Did the 300 do this on am before the cap mods? If not, I would half the
> capacitor values and try those.
>
> Chris
>
>
>

41. Re: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-10 14:05:47 UTC
From: mike samra
Topic: 32 Message: 41

John My Johhnson Valliant and my johnson viking 2 uses a green light. I I did change the transmit light to an LED,but it was too dark so I had gone back to the original.I can help you with the dial lamps on your kenwood tho. 73 n8tpi Mike

--- On Fri, 5/7/10, wa6kyo@...z <wa6kyo@...> wrote:

From: wa6kyo@... <wa6kyo@...>
Subject: [kenwoodr300] My 300 needs a dial lamp - any suggestions??
To: kenwoodr300@yahoogroups.com
Date: Friday, May 7, 2010, 1:59 AM

Hello! Great to see a group for The 300 here on Yahoo! Has anyone replaced a dial lamp? If so, can you recommend a lamp? A part number, voltage/current rating, etc...would be helpful. Maybe Radio Shack numbers 272-1154 or 272-1143 would work? Both are 12 Volt lamps. Anyone use a white or green LED? Thanks, 73, Jack WA6KYO

Yahoo! Groups Links

42. Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-10 14:41:10 UTC
From: Jim
Topic: 32 Message: 42

> John My Johhnson Valliant and my johnson viking 2 uses a green light. I I
> did change the transmit light to an LED,but it was too dark so I had gone
> back to the original.I can help you with the dial lamps on your kenwood
> tho. 73   n8tpi   Mike

My first lamp to LED conversion was on an FRG-7. Originally for the dial there were two lamps on below the "turn-table" style dial. I ended up replacing each of these with a pair of green LEDs and then found I had to add another pair above the turn-table. Took a lot more LEDs than I liked and the installation isn't pretty.

My next one was an Allied SX-190. For it, I had ordered some "ultra-bright" green LEDs. I replaced the lamps on a one-for-one basis (although the original lamps were AC powered, so I had to move it over to the DC power). Their was plenty of intensity. I have to admit the SX-190 looks nice with the green glow instead of the dull yellow that it previously had. It setting beside the FRG-7 in a darkened room make a nice looking pair.

If you are going to go the LED route, I'd defiantly suggest spending some time looking at the ultra-brights that are available.

73 de
Jim W4JBM

http://www.hamuniverse.com/w4jbm/

"With a soldering iron in one hand, a schematic in the other, and a puzzled look on his face..."

43. Re: [kenwoodr300] Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-10 15:23:22 UTC
From: mike samra
Topic: 32 Message: 43

Hi Jim Nice to meet you. Does anyone here run vintage ham gear?. I run all vintage ham and hifi gear but its upgraded with better components such as new filter caps and low tolerance coupling caps and resistors.Its all tube gear   Mike   N8TPI

--- On Mon, 5/10/10, Jim <w4jbm@...> wrote:

From: Jim <w4jbm@...>
Subject: [kenwoodr300] Re: My 300 needs a dial lamp - any suggestions??
To: kenwoodr300@yahoogroups.com
Date: Monday, May 10, 2010, 10:41 AM

> John My Johhnson Valliant and my johnson viking 2 uses a green light. I I
> did change the transmit light to an LED,but it was too dark so I had gone
> back to the original.I can help you with the dial lamps on your kenwood
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Jim W4JBM

http://www.hamuniverse.com/w4jbm/

"With a soldering iron in one hand, a schematic in the other, and a puzzled look on his face..."

Yahoo! Groups Links

44. Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-10 15:55:08 UTC
From: Jim
Topic: 32 Message: 44

> Does anyone here run vintage ham gear?

I have an old Hammarlund hamband receiver that I run with a homebrew vacuum tube transmitter.

I also have a Yaesu FT-101ZD that needs a little bit of work that I'm hoping to have on the air soon..

But I'll admit my main transceiver is a Kenwood TS-570...

73 de
Jim W4JBM

http://www.hamuniverse.com/w4jbm/

"With a soldering iron in one hand, a schematic in the other, and a puzzled look on his face..."

45. Re: S-meter peaks backward in AM

Yahoo group: kenwoodr300
Date: 2010-05-10 15:37:48 UTC
From: n0sya
Topic: 31 Message: 45

Hmm. If the agc acted like this before you changed any caps, I am kinda stumped. I would definitely be looking at agc circuit and IF amps though. Perhaps an agc cap or diode is bad?

Chris

46. Re: [kenwoodr300] Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-10 16:37:23 UTC
From: mike samra
Topic: 32 Message: 46

Jim I have a yaesu FT-990 without tuner and an 840 I traded for a panasonic receiver. Those are the only rice boxes I own. I have a pair of collins R390as and a lot of Hallicrafters and of course drake twins and a hammarlund hq170 and a 180. I need to put my 170 back together because the dial is slipping but works decent. Mike

--- On Mon, 5/10/10, Jim <w4jbm@bellsouth.net> wrote:

From: Jim <w4jbm@...>
Subject: [kenwoodr300] Re: My 300 needs a dial lamp - any suggestions??
To: kenwoodr300@yahoogroups.com
Date: Monday, May 10, 2010, 11:55 AM

> Does anyone here run vintage ham gear?

I have an old Hammarlund hamband receiver that I run with a homebrew vacuum tube transmitter.

I also have a Yaesu FT-101ZD that needs a little bit of work that I'm hoping to have on the air soon..

But I'll admit my main transceiver is a Kenwood TS-570...

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Jim W4JBM

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Yahoo! Groups Links

47. The Literal Radio

Yahoo group: kenwoodr300
Date: 2010-05-21 21:33:25 UTC
From: n0sya
Topic: 47 Message: 47

Hi group,
Just wanted to share some thoughts on the beloved R300, as I just recently reacquainted myself with one.

What an interesting radio!

Just got a nice one to play with (thanks Jim!), haven't had one in years and had forgotten so much about them. One thing I forgot is that these things are big! The heft, analog-ness (is that a word?) and the era of the r300 also makes me want to get an SX190! Who needs plls?!?

So, I was perusing the schematics and block diagrams to understand the 300 and noticing a few unusual things, had an epiphany of sorts.

The Kenwood R300 is a literal radio. Yeah, no, not what you're thinking, yeah it's a radio literally, but no. Yeah.

One interesting thing is that there is a dual loop agc, one loop controlling the second mixer and IF amps, another controlling the rf amp, each with separate detectors but driven by the same source. Very unusual. I wonder if there are some tuning tweaks that could be done to the separate agcs, perhaps in the way of timing? The agc going to the rf amp should act much more quickly than the IF agc, for example, but they don't seem to be different timingwise. If the agcs could be driven from separate sources there may be an improvement in agc performance. But once signals have gotten past the rf amp and through the IF and filters to the agc detector, a delay has been added so the agc control of the rf amp is lagging behind, way behind, what it should be. I guess I should be happy it's not audio derived agc!

I feel the agc has far too short a decay, and the attack may need to be sped up as well. This may help in the backwards modulating am signals seen on the smeter. I was also thinking perhaps this backwards smeter activity on strong am sigs was due to some weirdness in the mosfet circuitry? Mosfets are weird.

I noticed the Rf Gain control on the face of the 300. It really is as labled, an "literal" rf gain control, not an IF agc control as in most every other radio in existance! How many rigs do you know of where agc regulates the rf amp? I only know of a few. The Rf Gain control is inline before the rf amp, the antenna input passes thru this potentiometer before it enters the rf amp, regulating the amount of signal that hits the rf amp. A different pot with less resistance overall may be a better choice here.

Then we have the bandwidth switch, it isn't some typical vicarious filter switch that merely controls some dc current to remote diodes that do the actual switching, the mechanical switch actually switches the IF filters in and out of the IF! I wonder what the isolation is between these filters and the switching loss? It reminded me of a neat trick I saw once, a DX160 had been modified with selectable bandwidth via the addition of one MuRata CFW455 type 455Khz ceramic filter. The ground pins of the filter were grounded selectively by the switch, from wide (least grounds) to narrow (most grounds). Worked well

from what I saw (heard) of it. I am going to investigate the filters to see if they can be improved.

Then there's the diodes used to rectify am signals and those used in the product detector. They cry out to be replaced by schottky barrier diodes for reduced noise and other benefits. The agc diodes would also probably be better off if they were schottky types.

Lastly, there's the discrete audio amp. This should lend itself to mods for better quality sound.

just some thoughts...

Chris

48. Re: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-05-08 15:19:51 UTC
From: mihail dutchevici
Topic: 32 Message: 48

The lamp is 12V 40 mA. You can find it at R.S problem is :the lamp will go out after 8m-2years.
M

From: Gerald Yowell <yowje@...>
To: kenwoodr300@yahoogroups.com
Sent: Sat, May 8, 2010 2:13:22 AM
Subject: [kenwoodr300] My 300 needs a dial lamp - any suggestions??

[i]Hello! Great to see a group for The 300 here on Yahoo! Has anyone replaced a dial lamp? If so, can you recommend a lamp? A part number, voltage/current rating, etc...would be helpful. Maybe Radio Shack numbers 272-1154 or 272-1143 would work? Both are 12 Volt lamps. Anyone use a white or green LED? Thanks, 73, Jack WA6KYO[/i]

Check the voltage going to the solder points for the lamp. If it is 12 volts, you should be fine with a small lamp from RS. If not, then you need to find a bulb of the appropriate voltage.

49. Kenwood R-300 mods

Yahoo group: kenwoodr300
Date: 2010-08-25 22:50:35 UTC
From: ltdedition500
Topic: 49 Message: 49

Hello,

I just received my Kenwood R-300 that I bought and was in excellent condition. What I am looking for is any mods that will make this receiver work better. Thanks, Dean

50. Re: Kenwood R-300 mods

Yahoo group: kenwoodr300
Date: 2010-08-30 14:50:47 UTC
From: n0sya
Topic: 49 Message: 50

Hi dean, I would suggest a alignment, and perhaps a swap of am detector and product detector diodes.

Chris

51. Uses for your R300

Yahoo group: kenwoodr300
Date: 2010-09-16 20:53:34 UTC
From: island.roamer
Topic: 51 Message: 51

Just a quick Hello to the group in order to try and start some activity.
It's a little quiet in the R300 group.

I finally managed to find an R300, to add to my collection of Kenwood R series receivers recently.

Not sure how many members are still active on this group. I resisted the temptation to post until I actually had one myself.
For me, it's fun to use old receivers. I find it a nicer experience over a modern software controled Box.

It would be interesting to hear from any members regarding their R300's.
How many of you Guys still actively use your 300's on a regular basis?
How many of you simply have the R300 as part of a collection?

How do you find the performance on the now very noisy Bands.
What do you Guys use your 300's for?

73's

Ian

52. Re: My 300 needs a dial lamp - any suggestions??

Yahoo group: kenwoodr300
Date: 2010-09-18 12:19:50 UTC
From: Adam
Topic: 32 Message: 52

--- HI
In my R300,I soldered a NTC(negative temperature resistor),about 10 ohm from RS in series.When I switch on,the initial resistance of the NTC resistor is high,as it warms up,slowly the brightness of the dial lamps increase.I never had to change the lamps again.

53. Re: Uses for your R300

Yahoo group: kenwoodr300
Date: 2010-10-08 13:44:19 UTC
From: n0sya
Topic: 51 Message: 53

Hi ian
I use my 300 often enough, but typically just for swbc and ambc listening. Having the band spread out before one on the tuning drums is a nice thing, quite different experience from the typical coldly raional numerical readout on my other rigs. I know that some use the 300 for cw/ssb reception, but the drifting od my 300 always makes me fire up the r71 for ssb work. So the 300 is fine for am mode listening, not so fine for ssb.

The 300 is a fine example of how it (short wave radio) was done back in the day, back when we were young. Much like having a DX160 on the desk with the lighted bands glowing there before you. Well, at least for some of us it's how it was done when we were young! I suppose some members here are post-pll models, manufactured by their parents after the advent of the coldly rational pll and digital readout. And now some radios even have a tv screen in them! Not a big fan of tv. Well, I call them tv screens at least. The sdr rigs take that to an extreme. Yes the newer rigs, the ones with or without a tv screen are far superior in most ways to our beloved 300s, but they do not have "character", something the 300 is full of.

Chris

54. Re: Uses for your R300

Yahoo group: kenwoodr300
Date: 2010-10-22 21:06:52 UTC
From: island.roamer
Topic: 51 Message: 54

Hi Chris,

Thanks for the Feedback.

I've been playing with the R300 for a while now and I have to agree with most of the comments so far about the Audio Quality and SSB stability.

As far as the SSB stability goes, I've found it to be pretty similar to the R600 in that it drifts quite a bit.
I like the adjustable BFO which makes fine adjustments very easy, especially when playing with digimodes and a PC.

The Audio quality is not particularly good though as has been mentioned before, but all in all, it's a nice Receiver to play with. Very different.
I suspect the Audio was never particulary good even from new. I doubt this one has been used more than a hanful of times.

I was very lucky with my one, it looks like it just came out of the Store. Not a mark on it.
Never thought it was possible to get one this good.

Ian

55. Service Manual

Yahoo group: kenwoodr300
Date: 2010-10-22 21:14:20 UTC
From: island.roamer
Topic: 55 Message: 55

Hi Group,

I couldn't find any mention of Copyright on my Service Manual, so I have put a copy up in the Files section.

Scanning isn't perfect, as I didn't want to damage my copy under the lid of the Photocopier, but should do the Job.

My copy of the Schematic wasn't as good as the one already in the Files section so I didn't upload my copy of that.

Hope somebody finds this useful.

Ian

56. Re: Uses for your R300

Yahoo group: kenwoodr300
Date: 2010-10-25 22:42:43 UTC
From: rba660
Topic: 51 Message: 56

Mine too, was in 'like new' condition when I got it a little over 4 years ago (maybe longer). I was very pleasantly surprised as I bought it from a fellow in Canada on ebay. I was just looking for something to tinker with but when it arrived it looked too good to open up and go exploring. It has been sitting on a bedside table since loosing the radio room to a grandchild. I just use it for occasional SW listening now. I've been contemplating setting up again in a corner of the living room.

Thanks for uploading the service manual. May come in very handy one day.

--- In kenwoodr300@yahoogroups.com, "island.roamer" <island.roamer@...> wrote:
>
>
> Hi Chris,
>
> Thanks for the Feedback.
>
> I've been playing with the R300 for a while now and I have to agree with most of the comments so far about the Audio Quality and SSB stability.
>
> As far as the SSB stability goes, I've found it to be pretty similar to the R600 in that it drifts quite a bit.
> I like the adjustable BFO which makes fine adjustments very easy, especially when playing with digimodes and a PC.
>
> The Audio quality is not particularly good though as has been mentioned before, but all in all, it's a nice Receiver to play with. Very different.
> I suspect the Audio was never particulary good even from new. I doubt this one has been used more than a hanful of times.
>
> I was very lucky with my one, it looks like it just came out of the Store. Not a mark on it.
> Never thought it was possible to get one this good.
>
>
>
> Ian
>

57. service manual

Yahoo group: kenwoodr300
Date: 2010-10-27 00:25:29 UTC
From: N1VW / Van Wilshire
Topic: 57 Message: 57

Thanks a lot for posting the service manual for the R-300. Really appreciate
it,
that stuff is getting hard to find.

73,

Van

58. Re: service manual

Yahoo group: kenwoodr300
Date: 2010-10-28 17:02:39 UTC
From: island.roamer
Topic: 57 Message: 58

My pleasure Guys,

That's what these Groups are for after all.

I was actually supprised that it wasn't in the Files Section when I joined.
I thought somebody must have had one.

I was lucky to get an original Service Manual with my R300.

Interesting to see the difference in Quality from the later Kenwood R Series Service Manuals.
The R300 looks like it was Screen Printed. Looks like the sort of thing you would have got in the 50's.

Because it was bound like a book, I didn't want to Squash it under the Photocopier to much, so hence some of the Pages are not lined up very well. I just let the Pages go where they wanted.

I might try to tidy it up if I get time.

I think the Schematic is all most people would need to keep their 300's working, but the Service Manual is a nice reference work for this interesting Receiver.

Would be interesting if anybody has any Service Bulletins or reviews
they could upload.

73's

Ian

59. Audio

Yahoo group: kenwoodr300
Date: 2010-10-30 23:30:02 UTC
From: ltdedition500
Topic: 59 Message: 59

Hello group, I have just done a complete cap change to both my Kencraft (Kenwood) QR666 and Kenwood R300. What I would like to know is there some way to get the audio from becoming distorted? Seems that it has too much bass, ad the caps that were replaced were of the same factory value. Thanks!

60. Re: Audio

Yahoo group: kenwoodr300
Date: 2010-11-06 13:58:01 UTC
From: n0sya
Topic: 59 Message: 60

--- In kenwoodr300@yahoogroups.com, "ltdedition500" <LtdEdition500@...> wrote:
>
> Hello group, I have just done a complete cap change to both my Kencraft (Kenwood) QR666 and Kenwood R300. What I would like to know is there some way to get the audio from becoming distorted? Seems that it has too much bass, ad the caps that were replaced were of the same factory value. Thanks!
>

Hi
If you determine the output cap from the audio board you might try halving the value. If that is not enough halve it again. Also, you might reduce the values of the ssb/cw product detector output cap and the cap following the am detector. All of wich should reduce highs.

Chris

61. R-300 Videos!

Yahoo group: kenwoodr300
Date: 2010-11-08 07:39:48 UTC
From: wa6kyo@qrp.biz
Topic: 61 Message: 61

Hello everyone! I just added a folder for R-300 online videos. I found one on YouTube, so I thought I would create a folder and add it. Anyone else want to share a video? I plan to make one sometime soon with my 300 paired up with a homebrew CW transmitter. Incidentally, I find the R-300 to be quite stable once it has warmed up. Maybe just mine?? hi hi ... 73, Jack WA6KYO

62. For Sale: R300

Yahoo group: kenwoodr300
Date: 2010-12-10 03:07:22 UTC
From: n0sya
Topic: 62 Message: 62

Hi there.
This R300 is in decent shape other than no battery capability. $150 shipped CONUS, USPS money order in payment only.

Chris

63. My "new" Kenwood R-300

Yahoo group: kenwoodr300
Date: 2011-02-14 20:10:18 UTC
From: geodukkie
Topic: 63 Message: 63

This weekend i've got a very nice Kenwood R-300 which a friend of mine found in a local recyclingshop. The receiver looks as new and after i downloaded the instruction manual from this forum and understood a bit how to set the right frequency i enjoyed the beautiful sound of this receiver. I used a Fritzel GPA30 vertical outside on the roof of my house.

Enjoy this video (and more)on my YouTube: http://www.youtube.com/watch?v=SKI5wyXpEEo

73 Peter - PD1AJJ

64. Re: My "new" Kenwood R-300

Yahoo group: kenwoodr300
Date: 2011-02-15 16:38:58 UTC
From: n0sya
Topic: 63 Message: 64

Nice vid there, keep up the good work with the r300!

Chris

65. Re: My "new" Kenwood R-300

Yahoo group: kenwoodr300
Date: 2011-02-28 08:16:43 UTC
From: wa6kyo@qrp.biz
Topic: 63 Message: 65

Excellent video Peter! Thanks for sharing. Your R-300 is in beautiful condition. I hope you will add your video to the Video Folder in this group's link section.

73, Jack WA6KYO

66. Videos

Yahoo group: kenwoodr300
Date: 2011-04-15 14:53:51 UTC
From: Frank
Topic: 66 Message: 66

I have just purchased an R300 and Im waiting for it to arrive. Ive have noticed that there arent many videos out there of this receiver, ie (YOUTUBE), so once I get her up and running, I will be adding a few videos to share with the group.
Im happy that there is a group out here for SWl hobbiest. I have been a licensed ham for 25 years and still love to sit back and enjoy shortwave listening.
Thanks and 73
Frank
KB2CWN

67. R300 arrived today

Yahoo group: kenwoodr300
Date: 2011-04-16 17:52:30 UTC
From: Frank
Topic: 67 Message: 67

Okay all you fine folks, she arrived today, and she needs a good cleaning. I didnt have time to do anything yet, but Im sure this R300 probably needs an alignment. The lights dont work either and I have a question to all you owners out there. Is the push switch for the light supposed to stay in when you push it to turn the dial light on, or does it just push and retract back out? And, has anyone had to replace any green bulbs? I was surprised of the weight of this receiver, and starting tonight I will start the dismantle project. Can anyone please give me some insight on how difficult it is to remove the cover and get to those green LED's?

I did plug it in real quick before I left for work, and put a short wire in the back, and received a few stations here and there. (mainly Cuban) Naturaly, at 1200pm, I wasnt expecting to hear much on the bands.
Anyway, I hope someone in the group can give me some advise on what to watch out for.
Nice rig, very dirty, Looks like it belonged to a smoker who smoked in the shack.
My project awaits my immediate attention.
Thanks...
Frank

68. Re: The Literal Radio

Yahoo group: kenwoodr300
Date: 2011-04-12 01:17:56 UTC
From: pjxii
Topic: 47 Message: 68

Him Chris, keep us posted of any results from your tinkering with your R-300. Though i don't have any ability in working with electronics like most here, I enjoy hearing about ways to improve receivers for better performance.

--- In kenwoodr300@yahoogroups.com, "n0sya" <n0sya@...> wrote:
>
> Hi group,
> Just wanted to share some thoughts on the beloved R300, as I just recently reacquainted myself with one.
>
> What an interesting radio!
>
> Just got a nice one to play with (thanks Jim!), haven't had one in years and had forgotten so much about them. One thing I forgot is that these things are big! The heft, analog-ness (is that a word?) and the era of the r300 also makes me want to get an SX190! Who needs plls?!?
>
> So, I was perusing the schematics and block diagrams to understand the 300 and noticing a few unusual things, had an epiphany of sorts.
>
> The Kenwood R300 is a literal radio. Yeah, no, not what you're thinking, yeah it's a radio literally, but no. Yeah.
>
> One interesting thing is that there is a dual loop agc, one loop controlling the second mixer and IF amps, another controlling the rf amp, each with separate detectors but driven by the same source. Very unusual. I wonder if there are some tuning tweaks that could be done to the separate agcs, perhaps in the way of timing? The agc going to the rf amp should act much more quickly than the IF agc, for example, but they don't seem to be different timingwise. If the agcs could be driven from separate sources there may be an improvement in agc performance. But once signals have gotten past the rf amp and through the IF and filters to the agc detector, a delay has been added so the agc control of the rf amp is lagging behind, way behind, what it should be. I guess I should be happy it's not audio derived agc!
>
> I feel the agc has far too short a decay, and the attack may need to be sped up as well. This may help in the backwards modulating am signals seen on the smeter. I was also thinking perhaps this backwards smeter activity on strong am sigs was due to some weirdness in the mosfet circuitry? Mosfets are weird.
>
> I noticed the Rf Gain control on the face of the 300. It really is as labled, an "literal" rf gain control, not an IF agc control as in most every other radio in existance! How many rigs do you know of where agc regulates the rf amp? I only know of a few. The Rf Gain control is inline before the rf amp, the antenna input passes thru this potentiometer before it enters the rf amp, regulating the amount of signal that hits the rf amp. A different pot with less resistance overall may be a better choice here.

>
> Then we have the bandwidth switch, it isn't some typical vicarious filter switch that merely controls some dc current to remote diodes that do the actual switching, the mechanical switch actually switches the IF filters in and out of the IF! I wonder what the isolation is between these filters and the switching loss? It reminded me of a neat trick I saw once, a DX160 had been modified with selectable bandwidth via the addition of one MuRata CFW455 type 455Khz ceramic filter. The ground pins of the filter were grounded selectively by the switch, from wide (least grounds) to narrow (most grounds). Worked well from what I saw (heard) of it. I am going to investigate the filters to see if they can be improved.
>
> Then there's the diodes used to rectify am signals and those used in the product detector. They cry out to be replaced by schottky barrier diodes for reduced noise and other benefits. The agc diodes would also probably be better off if they were schottky types.
>
> Lastly, there's the discrete audio amp. This should lend itself to mods for better quality sound.
>
> just some thoughts...
>
>
> Chris
>

69. Re: Videos

Yahoo group: kenwoodr300
Date: 2011-04-21 02:04:40 UTC
From: msiffer
Topic: 66 Message: 69

Hi all

I have an Kenwood trio R300 I bought from an American who dod not know how to operate it.

The local oscillator Mosfet I changed to a more modern transistor,less drift.Also the dual gate RF amp mosfet transistor I changed to a more later type of Mosfet transistor.I still used it .Of course it can not compete to the Icom ICr70 and 71A receivers.The Yaesu FRG7-Yaesu FRG7000-The Yaesu FRG8800 and the Icom ICR75 Radios I have.But to check if anything is going on on the shortwave bands it works well.

The R300 seems to be very sensitive.

Maurice

70. Re: The Literal Radio

Yahoo group: kenwoodr300
Date: 2011-04-21 14:42:09 UTC
From: n0sya
Topic: 47 Message: 70

Hi
Glad you find mods interesting, they are a habit of mine and seldom does a rig get to me that doesn't end up with at least some kind of improvement. Any more I think most 300s could use diode swaps for the product detetcor and the am detector, and an increase in the values of the output caps for the product detector, am detector, and the output cap of the audio amp. Also, I noticed a lack of highs coming from the 300 so that could be tracked down and fixed so as to give crystal clear fidelity, of wich the 300 should be capable.

As to not doing electronics work yourself, I can relate to that. My vision is not what it once was, but magnifying glasses, as big a pain as they are, make do for me. If I can pay someone who is expert to do the hard work to my specs that is also something I do. Will often ends up in a way. But the 300 is just fine for what it is, no mods needed as long as it works. Enjoy!

Chris

71. Detector diode change

Yahoo group: kenwoodr300
Date: 2011-05-12 11:49:20 UTC
From: Simon
Topic: 71 Message: 71

I was wondering if any of you guys know what suitable schottky diode can be fitted in place of the 1N60 in the am and product detector.

Any suggestions would be appreciated.

many thanks

72. AGC timing

Yahoo group: kenwoodr300
Date: 2011-05-12 12:22:41 UTC
From: Simon
Topic: 72 Message: 72

Hi guys. Can anyone tell me which capacitor determines the AGC timing?

many thanks

73. Re: Videos

Yahoo group: kenwoodr300
Date: 2011-05-12 13:40:47 UTC
From: Simon
Topic: 66 Message: 73

Hi Maurice,
What MOSFETs did you upgrade to?

Simon

--- In kenwoodr300@yahoogroups.com, "msiffer" <msifferau@...> wrote:
>
> Hi all
>
>
>
> I have an Kenwood trio R300 I bought from an American who dod not know how
> to operate it.
>
> The local oscillator Mosfet I changed to a more modern transistor,less
> drift.Also the dual gate RF amp mosfet transistor I changed to a more later
> type of Mosfet transistor.I still used it .Of course it can not compete to
> the Icom ICr70 and 71A receivers.The Yaesu FRG7-Yaesu FRG7000-The Yaesu
> FRG8800 and the Icom ICR75 Radios I have.But to check if anything is going
> on on the shortwave bands it works well.
>
>
>
> The R300 seems to be very sensitive.
>
>
>
> Maurice
>

74. Re: AGC timing

Yahoo group: kenwoodr300
Date: 2011-05-20 13:50:27 UTC
From: n0sya
Topic: 72 Message: 74

Hi
Apparently C15 and C11 are agc caps per the service manual.

Chris

75. Re: Detector diode change

Yahoo group: kenwoodr300
Date: 2011-05-20 13:44:57 UTC
From: n0sya
Topic: 71 Message: 75

Hi
When replacing the AM envelope detector, I would use a BAT46. I get them here:
http://www.angelfire.com/electronic2/index1/bat46.html

Enjoy!

Chris

76. RE: [kenwoodr300] Re: Videos

Yahoo group: kenwoodr300
Date: 2011-05-21 03:12:37 UTC
From: msiffer
Topic: 66 Message: 76

Hi Simon

I used a 406820 I think,an RCA dual gate mosfet,bur you could also use a BF988.This one is a micro type dual mosfet,lower noise,more gain.The long tail is the drain.This transistor was also used in the Icom ICR71A ,I have.The bf988 ,I obtained from Ebay UK,was only a couple of dollars.

Maurice

From: kenwoodr300@yahoogroups.com [mailto:kenwoodr300@yahoogroups.com] On Behalf Of Simon
Sent: Thursday, 12 May 2011 21:41
To: kenwoodr300@yahoogroups.com
Subject: [kenwoodr300] Re: Videos

Hi Maurice,
What MOSFETs did you upgrade to?

Simon

--- In kenwoodr300@yahoogroups.com <mailto:kenwoodr300%40yahoogroups.com> , "msiffer" <msifferau@...> wrote:
>
> Hi all
>
>
>
> I have an Kenwood trio R300 I bought from an American who dod not know how
> to operate it.
>
> The local oscillator Mosfet I changed to a more modern transistor,less
> drift.Also the dual gate RF amp mosfet transistor I changed to a more later
> type of Mosfet transistor.I still used it .Of course it can not compete to
> the Icom ICr70 and 71A receivers.The Yaesu FRG7-Yaesu FRG7000-The Yaesu
> FRG8800 and the Icom ICR75 Radios I have.But to check if anything is going
> on on the shortwave bands it works well.
>
>
>
> The R300 seems to be very sensitive.
>
>
>
> Maurice
>

77. RE: [kenwoodr300] Detector diode change

Yahoo group: kenwoodr300
Date: 2011-05-21 03:13:56 UTC
From: msiffer
Topic: 71 Message: 77

Simon

I used the BAT84,obtainable from Radio Spares UK

Maurice

From: kenwoodr300@yahoogroups.com [mailto:kenwoodr300@yahoogroups.com] On Behalf Of Simon
Sent: Thursday, 12 May 2011 19:49
To: kenwoodr300@yahoogroups.com
Subject: [kenwoodr300] Detector diode change

I was wondering if any of you guys know what suitable schottky diode can be fitted in place of the 1N60 in the am and product detector.

Any suggestions would be appreciated.

many thanks

78. Wanted: Tuning slugs for band F (18 - 30MHz) oscillator and antenna coils

Yahoo group: kenwoodr300
Date: 2011-06-24 11:02:29 UTC
From: Simon
Topic: 78 Message: 78

Hi Guys,
Does anyone know where I can buy replacement tuning slugs for the oscillator and mixer coils? I've got two very stiff slugs that have cracked and need replacing. I'm UK based but able to buy from overseas.

many thanks

Simon

79. Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-06 03:58:48 UTC
From: rba660
Topic: 79 Message: 79

Just spotted this on ebay, seller plays the dumb game (don't know how to test it) but it may go cheap enough to be a bargain or a good project. Cosmetically looks very nice.

http://www.ebay.com/itm/Kenwood-R-300-Communications-Receiver-Shortwave-Radio-/310343284735?pt=Shortwave_Radios&hash=item4841e6b7ff

80. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-06 15:22:40 UTC
From: Frank Pool
Topic: 79 Message: 80

Thanks for the information.

As you said, looks to be a pretty good condition.

Always amazes me, how many of these old R300's are in such good shape when they do come up for Sale!

Seems to have a fair bit of interest at the moment.
Will be interesting to see what it goes for.

Ian

81. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-15 17:52:13 UTC
From: aaronfrompa
Topic: 79 Message: 81

Looks like it sold for $157.00. Do you guys think that's a good price for a R-300?

i bought mine for $50.00, but it needed repair.

82. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-15 03:23:05 UTC
From: rba660
Topic: 79 Message: 82

It sold for $127.50 + 29.64 S&H

83. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-16 21:37:04 UTC
From: Mike Sorna
Topic: 79 Message: 83

I have 2 of these radios in very nice operating condition if anyone is interested.

Mike

84. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-16 20:39:23 UTC
From: rba660
Topic: 79 Message: 84

just depends on how bad you want it. I paid about $80 five or more years ago. When it arrived I couldn't believe my eyes, it looked like brand new. Still plays great too.

--- In kenwoodr300@yahoogroups.com, "aaronfrompa" <aaron@...> wrote:
>
>
>
> Looks like it sold for $157.00. Do you guys think that's a good price for a R-300?
>
> i bought mine for $50.00, but it needed repair.
>

85. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-16 19:19:27 UTC
From: Frank Pool
Topic: 79 Message: 85

I guess it really depends on if you are Buying or Selling?

If I was Selling that one, I think I would be a bit disappointed with it only fetching 80 odd Pounds.
I know I wouldn't sell mine for that!

Of course, if I was buying it, I would be very Happy, it looked in pretty good condition.

The problem is, like with most old items, if it doesn't have any intrinsic value at the end of the Day, there is less incentive
for people to preserve them for the future.

On the plus side though, considering it is over 30 years old, and probably didn't cost $127 when New, it's done pretty well.
Don't know what these cost new, but I doubt it would have been much more if any.

The other issue of course is, that these are by modern standards pretty ropey Receivers (They Drift quite bad) and so are
really only of interest to Collectors and people with interests in old Radios.
Unfortunately, there are not many of us about.

86. Re: Kenwood R-300 spotted on ebay

Yahoo group: kenwoodr300
Date: 2011-09-16 13:08:04 UTC
From: Frank
Topic: 79 Message: 86

That's a great price. I paid $200 for mine and it needed work. If I ever sold mine, id definately put a higher reserve price or sell it elsewhere because they are nearly impossible to find and becoming rare.
Sent from my Samsung Epic™ 4G

87. my updated Kenwood Trio R300

Yahoo group: kenwoodr300
Date: 2011-10-26 11:59:14 UTC
From: Maurice Siffer
Topic: 87 Message: 87

I have changed my Kenwood Trio R300.
Q1 of the Coil PCB is now a 2N5485 J fet.
Q1 of the RF PCB is now a BF988 dual gate mosfet.
Q2 of the RF PCB is now a BF981 dual gate mosfet.
These mosfet transistors can be soldered in without changes to the pcb tracks.
On the BF988 and BF981 mosfets with the markings bf988 or bf981 up,the long tail is the drain.
Now in a clockwise direction starting from the drain is the source,then the gate2,then the gate 1.
On the RF PCB,the mosfet connections are marked ,so it is only a question of desoldering the old 3SK40 transistor and inserting the new mosfet. I obtained my mosfet transistors via ebay UK.The 2N5485 on the coil PCB seems to have less drift.
Cheers

Maurice

88. R 300 on Ebay

Yahoo group: kenwoodr300
Date: 2011-10-25 11:43:39 UTC
From: island.roamer
Topic: 88 Message: 88

Hi Group,

Just spotted an R 300 on Ebay.

http://www.ebay.co.uk/itm/KENWOOD-COMMUNICATIONS-RECEIVER-/330627224663?_trksid=p4340.m1374&_trkparms=algo%3DPI.WATCH%26its%3DC%252BS%26itu%3DUCC%26otn%3D5%26ps%3D63%26clkid%3D7238694289436216 40#ht_500wt_1202

Looks a bit scruffy, but might make a nice clean up project for somebody.

Only one Day left, so anybody interested needs to be quick.
Starting price is £49.

A bit high for a starting price really, Can't see it going for much more than this.
Keep an eye on it, if it doesn't sell, I'm sure they will take a lower offer.

Ian

89. rba660's SW Bench

Yahoo group: kenwoodr300
Date: 2011-11-01 04:43:20 UTC
From: rba660
Topic: 89 Message: 89

Hi gang,
I just posted some pics of my new short wave listening bench. The first pic is of the whole desk and the second is my R300 which sits front and center. The rest are the assorted radios that made it to the desk.

Directly over the top is a 5 tube, 1954 GE-572 clock AM radio. I wanted a clock on the desk and the radio stays tuned to our local talk radio station.

On the right bottom is a Lafayette PF-175 all tube 2 band receiver. It receives 30-50 and 152-174 MHz FM.

Above it is another Lafayette, HB-76 all tube receiver 152-174 MHz FM. The Lafayette's get some state government agencies, NOAA weather
stations and some broadcast repeater/relay freqs.

On top are two FSR Cobra 2-ways, a GE handheld CB and a Midland handheld CB with weather channels.

On the left bottom is an Icom 720A All Band HF Transceiver. I have an Icom hand mic but it is not plugged in because I'm not licensed yet. hopefully I'll get to that one day.

Over the Icom is a Robyn SB-520D CB radio. Not much on CB around here anymore besides cusser's and spanish users.

On top over that is a Hallicrafters CRX-3 all tube receiver that receives mostly aircraft freqs, 108-135 MHz AM.

All are cleaned up and 100% working. Yea! that was a job for sure.

The desk mics are just there for deco. The D-104 is real. The other mic on the right is a DECO AM/FM battery radio. The speaker is where the mic element would go if it were a real mic.

These by far are not my only radios, just the ones that made it to the bench. Next project is to hopefully get my Hallicrafters FPM-300 HF Transceiver running... and start working on my license.

90. Re: R 300 on Ebay

Yahoo group: kenwoodr300
Date: 2011-11-01 03:53:26 UTC
From: rba660
Topic: 88 Message: 90

Not a real bad price depending on actual condition. It's in Britain. Shipping would be a bugger. Wonder how popular SW is over there these days.

--- In kenwoodr300@yahoogroups.com, "island.roamer" <island.roamer@...> wrote:
>
>
> Hi Group,
>
> Just spotted an R 300 on Ebay.
>
> Only one Day left, so anybody interested needs to be quick.
> Starting price is £49.
>

91. Re: R 300 on Ebay

Yahoo group: kenwoodr300
Date: 2011-11-02 08:03:52 UTC
From: Simon
Topic: 88 Message: 91

These are so rare over here in Britain. I have a QR-666 and that took a lot of hunting to find. As to the popularity of SW, there are still good number of SWLs and HAMS over here. We just need to make it more attractive to the younger generation, it's viewed as being a bit nerdy and un-trendy by todays youngsters.

Simon

--- In kenwoodr300@yahoogroups.com, "rba660" <rba660@...> wrote:
>
> Not a real bad price depending on actual condition. It's in Britain. Shipping would be a bugger. Wonder how popular SW is over there these days.
>
>
> --- In kenwoodr300@yahoogroups.com, "island.roamer" <island.roamer@> wrote:
> >
> >
> > Hi Group,
> >
> > Just spotted an R 300 on Ebay.
> >
> > Only one Day left, so anybody interested needs to be quick.
> > Starting price is £49.
> >
>

92. Possible sale

Yahoo group: kenwoodr300
Date: 2011-11-04 00:10:06 UTC
From: kb2cwn
Topic: 92 Message: 92

Hi group...Sad to say I may beI parting with my R300...I have had my eye on a new HF rig, and I am planning to liquidate some of my equipment to achive that goal. Im not sure of the price yet, but its in prestine condition and works great. If anyone is interested you can see it on my youtube channel
http://www.youtube.com/watch?v=WvHAjTw1hEQ
For the right price, Ill let it go to a good home...But wanted to give the group a heads up before I go public with it. I hate ebay, but that would be my last reserve.
If anyone see's it on youtube and feels like making me an offer please do..but please dont be insulting., you all know how rare these beauties are, and very difficult to find one in good condition..Oh and also, I wont ship international (sorry)...
If I do decide to sell it, I wont take any less then $200..so please, if anyone isnt really interested, please dont make any silly comments. I know what I paid for it, and I also know what junk is out there for $100 less...
I will keep the group up to date if I decide to sell it.
Have a great day
Frank

93. Re: my updated Kenwood Trio R300

Yahoo group: kenwoodr300
Date: 2011-11-03 20:38:28 UTC
From: rba660
Topic: 87 Message: 93

Thanks, I'll be looking at that and some other things when I open mine to see about cleaning pots and switch contacts.

Band switch looks sealed in pics. Can I get to them?

--- In kenwoodr300@yahoogroups.com, "Maurice Siffer" <msifferau@...> wrote:
>
> I have changed my Kenwood Trio R300.
> Q1 of the Coil PCB is now a 2N5485 J fet.
> Q1 of the RF PCB is now a BF988 dual gate mosfet.
> Q2 of the RF PCB is now a BF981 dual gate mosfet...

... Cheers
>
> Maurice
>

94. QR 666

Yahoo group: kenwoodr300
Date: 2011-11-03 14:43:19 UTC
From: island.roamer
Topic: 94 Message: 94

Hi Group,

For anybody interested, there is a QR 666 for sale on Ebay Uk.

http://www.ebay.co.uk/itm/Trio-Kenwood-QR666-Communications-Receiver-/260883325852?pt=UK_ConsumerElectronics_SpecialistRadioEquipment_SM&hash=item3cbddba39c#ht_500wt_1202

Unfortunately this is a Pick up only, and it's to far for me to go and get it, otherwise I would be bidding myself.

Doesn't look like it has a lot of interest, and for sure this probably isn't going to fetch much. So a good opportunity for a bargain for somebody.

Still has 2 and half Days to run.
Meant to post this a couple of days ago, but didn't get round to it.

So anybody near Northwich in the Uk wanting a QR 666 here could be your chance.
Or anybody wanting to bring it down to London for me, I would snap it up. :-)
Looks in pretty good Shape, but might have a button missing, looking at the photo's.

Ian

95. R300 for sale on ebay ends 10DEC11

Yahoo group: kenwoodr300
Date: 2011-12-06 00:59:59 UTC
From: rba660
Topic: 95 Message: 95

IT IS MISSING A PUSHBUTTON, BUT IT STILL WORKS. (Marker button)
It's in Nashville, Tennessee.

http://www.ebay.com/itm/VINTAGE-WORKING-KENWOOD-COMMUNICATIONS-RECEIVER-MODEL-R-300-/250946181222?pt=Vintage_Electronics_R2&hash=item3a6d8ed866

96. Re: R300 for sale on ebay ends 10DEC11

Yahoo group: kenwoodr300
Date: 2011-12-12 01:35:17 UTC
From: rba660
Topic: 95 Message: 96

It sold for $85.22 + 18.60 S&H

--- In kenwoodr300@yahoogroups.com, "rba660" <rba660@...> wrote:
>
> IT IS MISSING A PUSHBUTTON, BUT IT STILL WORKS. (Marker button)
> It's in Nashville, Tennessee.
>
> http://www.ebay.com/itm/VINTAGE-WORKING-KENWOOD-COMMUNICATIONS-RECEIVER-MODEL-R-300-/250946181222?pt=Vintage_Electronics_R2&hash=item3a6d8ed866
>

97. Re: R300 arrived today

Yahoo group: kenwoodr300
Date: 2012-05-21 02:48:36 UTC
From: island.roamer
Topic: 67 Message: 97

Hi Frank,

How did you get on with your R-300 Project?

I noticed you never got any replies to your Post last year.
Sometimes this Group is a little quiet.

Ian

--- In kenwoodr300@yahoogroups.com, "Frank" <kb2cwn@...> wrote:
>
> Okay all you fine folks, she arrived today, and she needs a good cleaning. I didnt have time to do anything yet, but Im sure this R300 probably needs an alignment. The lights dont work either and I have a question to all you owners out there. Is the push switch for the light supposed to stay in when you push it to turn the dial light on, or does it just push and retract back out? And, has anyone had to replace any green bulbs? I was surprised of the weight of this receiver, and starting tonight I will start the dismantle project. Can anyone please give me some insight on how difficult it is to remove the cover and get to those green LED's?
>
> I did plug it in real quick before I left for work, and put a short wire in the back, and received a few stations here and there. (mainly Cuban) Naturaly, at 1200pm, I wasnt expecting to hear much on the bands.
> Anyway, I hope someone in the group can give me some advise on what to watch out for.
> Nice rig, very dirty, Looks like it belonged to a smoker who smoked in the shack.
> My project awaits my immediate attention.
> Thanks...
> Frank
>

98. R-300 available on Ebay

Yahoo group: kenwoodr300
Date: 2012-05-21 02:23:45 UTC
From: island.roamer
Topic: 98 Message: 98

Hi to the Group,

For anyone still looking for an R-300 there is one currently on Ebay Uk

Uk Auction only by the looks of it.

http://www.ebay.co.uk/itm/TRIO-KENWOOD-COMMUNICATIONS-RECEIVER-MODEL-R-300-/261026821779?_trksid=e11002.m185&_trkparms=algo%3DSIC.NPJS%26its%3DI%26itu%3DUA%26otn%3D4%26pmod%3D310399905370%26ps%3D63%26clkid%3D8561970535294315495#ht_500wt_1202

Still has 3 Days to run.
Looks to be in fairly good shape.

Ian

99. R300 for sale

Yahoo group: kenwoodr300
Date: 2012-06-20 03:19:02 UTC
From: n0sya
Topic: 99 Message: 99

http://swap.qth.com/view_ad.php?counter=999008

Check it out!

100. R-300 and QR-666

Yahoo group: kenwoodr300
Date: 2012-07-30 01:27:23 UTC
From: island.roamer
Topic: 100 Message: 100

Hi to the Group,

For those if any still looking for an R-300 or indeed a QR-666,
there is an R-300 on Ebay Uk at the moment, ending 5th August.

The QR-666 is on Ebay US and ends tomorrow, so you would need to be quick on this one if you were interested.

Ian

101. I'm a new member

Yahoo group: kenwoodr300
Date: 2013-04-12 17:33:01 UTC
From: Dirk
Topic: 101 Message: 101

Hello group, my name is Dirk Boer and I'm a new member. I'm living in the Netherlands.
A few weeks ago a bought a R-300 that had not been in use for more than 10 years. The s/n is 420864, and it came out that it was modified for use as a 144MHz receiver.
The mods were carried out with some respect for the original status. So after a few evenings work (removing the mods and realigning) most things worked well.
At this moment I still have to do the following:
replacement of the 3 scale lamps
replacement of the RF gain potmeter (it has an intermittent)
try to get a few missing cabinet screws
find out whythe sensivity of the F-band is rather low and fix it
I hope to find useful group information.
I wish my fellow group members good luck with this beautiful oldie.
Dirk.

102. Re: I'm a new member

Yahoo group: kenwoodr300
Date: 2013-04-13 23:32:28 UTC
From: wa6kyo@...
Topic: 101 Message: 102

Good luck Dirk with your R-300 restoration. It is a beautiful receiver that is well worth restoring. I had to replace a dial lamp a few years ago. My 300 is working well, and I plan to make a video of it soon to post on Youtube. Best regards, Jack in CA, USA

--- In kenwoodr300@yahoogroups.com, "Dirk" <dirk.boer@...> wrote:
>
> Hello group, my name is Dirk Boer and I'm a new member. I'm living in the Netherlands.
> A few weeks ago a bought a R-300 that had not been in use for more than 10 years. The s/n is 420864, and it came out that it was modified for use as a 144MHz receiver.
> The mods were carried out with some respect for the original status. So after a few evenings work (removing the mods and realigning) most things worked well.
> At this moment I still have to do the following:
> # replacement of the 3 scale lamps
> # replacement of the RF gain potmeter (it has an intermittent)
> # try to get a few missing cabinet screws
> # find out whythe sensivity of the F-band is rather low and fix it
> I hope to find useful group information.
> I wish my fellow group members good luck with this beautiful oldie.
> Dirk.
>

103. Re: [kenwoodr300] Re: I'm a new member

Yahoo group: kenwoodr300
Date: 2013-04-14 05:13:59 UTC
From: mike samra
Topic: 101 Message: 103

I still like my Collins R-390a...I did all the mods to the product detector and put an aux digital filter on the audio output.
Mike
N8TPI

--- On Sat, 4/13/13, wa6kyo@... <wa6kyo@...> wrote:

> From: wa6kyo@qrp.biz <wa6kyo@...>
> Subject: [kenwoodr300] Re: I'm a new member
> To: kenwoodr300@yahoogroups.com
> Date: Saturday, April 13, 2013, 7:32 PM
> Good luck Dirk with your R-300
> restoration. It is a beautiful receiver that is well
> worth restoring. I had to replace a dial lamp a few
> years ago. My 300 is working well, and I plan to make
> a video of it soon to post on Youtube. Best regards,
> Jack in CA, USA
>
> --- In kenwoodr300@yahoogroups.com,
> "Dirk" <dirk.boer@...> wrote:
> >
> > Hello group, my name is Dirk Boer and I'm a new member.
> I'm living in the Netherlands.
> > A few weeks ago a bought a R-300 that had not been in
> use for more than 10 years. The s/n is 420864, and it came
> out that it was modified for use as a 144MHz receiver.
> > The mods were carried out with some respect for the
> original status. So after a few evenings work (removing the
> mods and realigning) most things worked well.
> > At this moment I still have to do the following:
> > # replacement of the 3 scale lamps
> > # replacement of the RF gain potmeter (it has an
> intermittent)
> > # try to get a few missing cabinet screws
> > # find out whythe sensivity of the F-band is rather low
> and fix it
> > I hope to find useful group information.
> > I wish my fellow group members good luck with this
> beautiful oldie.
> > Dirk.
> >
>
>
>
>

> ------------------------------------
>
> Yahoo! Groups Links
>
>
>   kenwoodr300-fullfeatured@yahoogroups.com
>
>

104. Old Member Here

Yahoo group: kenwoodr300
Date: 2014-07-12 00:30:44 UTC
From: pjxii@...
Topic: 104 Message: 104

Hi, I see that this group has had no activity since 2013 so I thought I should put something up to keep it alive. I've owned my R-300 for a couple of years and sent it to KIWA Electronics to replace the stock filter with a Kiwa Filter Module (6.5 kHz) which has zero insertion loss in the wide position and a Murata CFJ455K5 in the narrow, and had it aligned. Living in an apartment makes radio reception difficult. I finally bought a Palstar LA-30 ferrite loopstick antenna and tried out the Kenwood on longwave. Wow. Craig at KIWA mentioned how sensitive it was on mediumwave while he was checking it out, and it really surprised me while tuning around looking for NDBs. I looked at the listed specifications for this receiver and found that both MW and LW have better sensitivity than HF (listed as less than .3 uV). Just for fun I checked online for other classic receivers and the only one which came close was the AOR 7030 (.34 uV with preamp on). My ICOM R-70 is dead by comparison. Gentleman, we truly have a hidden gem here, and few people even give this receiver a second thought. A big plus (and the reason I bought it in the first place) is that it can be used with internal D cell batteries. Does anyone else find that this thing is a killer below 2 MHz? I can't wait to take it out camping with a battery operated Datong FL2 (the LA-30 also uses batteries) away from the interference here. The loopstick helps but i can't hone in on any NDBs from other than North-South and still kill the noise.

105. Re: Old Member Here

Yahoo group: kenwoodr300
Date: 2014-07-17 13:18:14 UTC
From: n0sya@...
Topic: 104 Message: 105

HI, and yeah the 300 is a great rig. I used mine for ambc and swbc as it's excellent for voice work, never tried it for cw as mine was kinda wide for that porpoise. However, a dsp unit or pc soundcard dsp app would take care of the need for narrower filters, hardly portable though. Takling a 300 out into the boonies running off fresh batteries with a decent antenna should be very effective in wringing out the 300s utmost performance. If i ever come across one localy I'm going to snap it up!

Chris

106. Re: Old Member Here

Yahoo group: kenwoodr300
Date: 2014-07-20 07:46:16 UTC
From: wa6kyo@...
Topic: 104 Message: 106

I am using my 300 here in Southern California. Beautiful receiver! Yes, the 300 is quite sensitive below 2 Mhz. There's an interesting comment about this on its eHam.net review page. Thanks for re-activating the Group here. Hopefully more fans of this very cool receiver will chime in as well.

107. Re: Old Member Here

Yahoo group: kenwoodr300
Date: 2014-07-30 10:29:41 UTC
From: msiffer
Topic: 104 Message: 107

Hello everyone.

In my Kenwood-Trio R300,I replaced the front RF fet dual gate transistor with a modern BF988. This one has less noise.On the highest band ,I had aproblem with the first oscillator stopping at the lower end of the range.It was solved by selecting a better transistor.As the first oscillator is free running ,it is difficult adding more selectivity.

Comparing to the other RX ,I have ,Yaesu FRG7-Yaesu FRG8800-Icom ICR70-Icom ICR71A and the Icom ICR75,The Kenwood-Trio R300 still has the best audio and better MW sensitivity.But here it doesn,t matter as I use an antenna tuner,tunable RF amp and an MFJ Tunable DSP filter 784B,this one has it,s own 2 watt audio amp.You press a button and all noise disappears.

\Cheers

Maurice in Perth West Australia

108. R-300 on eBay (US)

Yahoo group: kenwoodr300
Date: 2014-10-06 01:31:42 UTC
From: pjxii@...
Topic: 108 Message: 108

Looks like its in great condition. Buy It Now price of $299 with a Best Offer as well. If I didn't just drop $650 on a couple of other receivers in the past month I'd grab it. Mine works great but doesn't look nearly as pretty as this one.

http://www.ebay.com/itm/Kenwood-R-300-Shortwave-Receiver-with-SWL-Bandspread/301342560986?_trksid=p2050601.c100262.m3457&_trkparms=aid%3D111001%26algo%3DREC.SEED%26ao%3D1%26asc%3D20140813130114%26meid%3D639a4189a36449dd90cad23824f43e27%26pid%3D100262%26prg%3D20140813130114%26rk%3D1%26rkt%3D4%26sd%3D301342560986%26clkid%3D10226847107430229 50&_qi=RTM1562569

109. Free Radio-Related eBooks

Yahoo group: kenwoodr300
Date: 2014-11-26 15:15:13 UTC
From: Jim
Topic: 109 Message: 109

I have made all four of my radio-related e-books available for free over
the Thanksgiving holidays. They are from Amazon and only available in
Kindle format. There are links for all four on my author's page at:

http://www.amazon.com/James-McClanahan/e/B00IA4XOWY/

The four books are:

-Getting Started With Test Equipment
-Mysteries Of The Ether: The puzzling and unusual side of shortwave radio!
-Radio and Electronics Brain Benders
-The Radio and Electronics Project Notebook

I had hoped to have at least one and maybe two more books ready for
Christmas, but I haven't had any time for writing lately. I have the
outline for a book that has a pretty exhaustive list of hints I've
picked up over the last forty years and I also have a DX-150A that I
want to document the restoration of blow-by-blow.

They are only available through Amazon, but you can get a version of the
Kindle reader for your tablet or PC if you are interest. It is a long
story, but Amazon give you some pretty significant incentives to have
your book only with them.

Reviews and comments are welcome and appreciated--especially positive
ones. :-)

I hope everyone enjoys the long weekend and maybe gets a bit of time to
surf the shortwaves!

--
73,
Jim W4JBM

http://www.hamuniverse.com/w4jbm/

"With a soldering iron in one hand, a schematic in the other, and a puzzled look on his
face..."

110. Re: Free Radio-Related eBooks

Yahoo group: kenwoodr300
Date: 2014-11-29 18:44:15 UTC
From: n0sya@...
Topic: 109 Message: 110

Awesome, and happy holidays to you too!

Chris in Indiana

111. new member alignment question

Yahoo group: kenwoodr300
Date: 2015-01-12 23:29:41 UTC
From: jsdspif@frontier.com
Topic: 111 Message: 111

Thought I'd liven the place up . I just won a r-300 so hopefully will have it in a week . I plan on doing the alignment procedure after cleaning the switches and pots , but the manual doesn't state anything about the hookup of the signal generator . I have some of the realistic dx radios (120 , 150 , 160) for those I built the dummy antenna shown in the alignment instructions for the dx-160 and input my sig. gen. to it and then connect it's out put to the receiver , but for the bands that use the internal antenna I just made a coil of wire connect that to the output of my generator and place it near the internal antenna . , so I'm guessing I'll just use the same setup with the r-300 . I'm in southwest michigan . I just have about 100 feet of wire stretched out about 10 feet high , and I have one of those verticle coil of wire deal inside a pvc pipe about 25 feet high . I used to have a 600 watt FM radio station also . When tv went to digital and I'd turn on my transmitter , the neighbors using tv antennas with mast mounted amplifiers would lose all their reception , I guessed to be the result of overloading of those mast mounted amps . So at that time I quit using the radio station . About 6 months later on april fools day I got a call from the fcc and I figured it was one of my buddies playing a joke on me so I called the number and it was the fcc . At first I didn't admit anything but after he stated he was going to have to start an investigation and let me know the penalties I admitted I had but hadn't operated in about 6 months , explaining that I was interfering with the neighbors tv so I quit using it . He then just said ok , case closed just don't use it anymore . About a month later a new station opened in my area on the frequency I was on so I started thinking the station probably had heard my broadcast and figured out where I was . The fcc guy just had a note with my name and address and that I was operating an unlicensed station . I figured it was a neighbor complaining but he said it wasn't an interference complaint just a notice that I was operating the station . I had run it about 10 years . It was pretty fun but not many people listened to it . I would just run a few hours on friday and saturday nights . Huge money pit . But I had a lot of fun with it .

Well , if anyone reads this and has any alignment advice for the r-300 let me know . Thanks in advance . --
null

112. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-01-13 18:07:33 UTC
From: n0sya@...
Topic: 111 Message: 112

Hi, cool story bro, and I've not aligned a 300 but will when i get another so you can tell me how it goes with your realistic dx-1xx alignment antenna! I have a friend who as a youth had a bootleg ambc station or two, some with antennas of several thousand feet length such that they were heard in Canada from the midwest USA with only a few tens of watts. Threw antenna wire over a tree, found the far end, soldered more wire, threw it over another tree, etc etc since they didn't have much rf power they had to have a huge antenna to be heard. They were like jr high school age when doing this. As a HAM I'd like to keep my license so I try not to irritate the fcc. If I irritate my neighbors with HAM radio I don't have to worry about it unless my station is dirty, and I run my station clean. Enjoy your r300, great rigs and boy do I wish I still had mine.

Chris

113. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-01-14 15:29:07 UTC
From: spgough@...
Topic: 111 Message: 113

The service manual for the R300 refers to using a SSG for alignment. This is just an abbreviation for Standard Signal Generator.

Hope this helps

73
Simon

114. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-01-14 08:10:18 UTC
From: spgough@...
Topic: 111 Message: 114

The R300 service manual refers to using a SSG for alignment. This is an abbreviation for Standard Signal Generator. Basically where you read SSG just think RF Signal Generator.

Hope this helps

Simon

115. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-01-24 21:56:09 UTC
From: jsdspif@...
Topic: 111 Message: 115

just wanted to say I got the radio . One of the lights for the tuning drum is burnt out . I haven't opened it up yet but the little bit I played with it it seemed to be working pretty good . I was somewhat surprised about the weight of the unit . When I first picked up the box I was thinking "did the guy put a brick in there with it ?"I read a few reviews where people stated "built like a tank " and just figured they were exagerating but they weren't . I paid $75 for it so I'm pretty happy with it . Eventually I'll get it opened up clen the switches and pots , even those seem to be pretty clean while I used it . Just thought I'd update where I'm at in the process.

116. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-02-01 17:52:46 UTC
From: n0sya@...
Topic: 111 Message: 116

Hi and good deal on the 300. When you go to cleaning switches and so on, don't just spray the bandswitch wafers, use a qtip or similar to apply cleaner/lube on the metal contacts of the wafers only. Reason being is the cleaner/lube can soak into the wafer and render it a might conductive, wich can ruin performance. A lot of folks swear by caig deoxit for cleaner/lube by the way.

Chris

117. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-02-03 07:46:24 UTC
From: rba660@...
Topic: 111 Message: 117

That's cool! I hope you enjoy it. I love playing with mine, my granddaughter has been watching me lately. Maybe she will get the bug!?

118. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-02-07 21:45:08 UTC
From: jsdspif@frontier.com
Topic: 111 Message: 118

Yeah I've got a little bit of the deoxit left , I usually use the radio shack stuff but it does tend to get all over . i've got some cotton swabs on wooden sticks that work well . I had heard some cleaners can damage the "wafer " material , but I thought that was on older radios . Right now I've got a dx150A apart that I need a trimmer cap for it so I don't want to start on the 300 until I get the dx put together . I actually played around with the 300 just a little and it didn't seem like things were all to dirty . No big crackles while adjusting knobs , changing bands what not . Seemed like it was somewhat more advanced than the radio shack dx150 versions and the dx160 . I've got about 130 foot of wire strung outside and also a verticle coil of wire around a dowel inside a pvc tube antenna about 25 feet high . It's a nice combo of the simplest of antennas . I just sometimes get a radio out at the kitchen table and monkey with it for an hour or so . Thanks for the tip , I plan on posting more as I get it opened up

--
null

119. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-02-08 17:31:28 UTC
From: n0sya@...
Topic: 111 Message: 119

One thing to keep in mind is that the black oxidation that forms on silver is almost as conductive as untarnished silver. So there's no point to cleaning the oxidation off, you're just wearing silver away if you do. Deoxit should help make contact the best it can be, and as for wafers absorbing cleaners/lubes some of the older tube rigs are being destroyed by this as their high voltages arc over the wafer and leave a carbon trace that will be conductive from then on. There's a certain Hallicrafters rig that suffers this in one precise spot of the bandswitch almost every time since people sprayed tuner lube all over rather than just applying it where it would actually do good. With the 300 and other low voltage solid state rigs you're not going to run into high voltage flashovers but the wafers can still absorb the cleaner and become a bit conductive and thusly detune the section. have fun!

Chris

120. Re: new member alignment question

Yahoo group: kenwoodr300
Date: 2015-02-14 00:06:11 UTC
From: jsdspif@frontier.com
Topic: 111 Message: 120

yeah I don't worry about that clean , I just apply some cleaner , work the switch / pot whatever back and forthe and that has always worked just fine . I guess what would interfere with whatever would be if some type of corrosion has built up and interferes (in a somewhat major way) with the contact between the wiper and the portion that it needs to make contact with . That radio of mine sounded pretty clean as I switched bands , adjusted volume etc . No major crackles or whatever to speak of.
 --
null

121. R 300 Bandswitch Cleaning

Yahoo group: kenwoodr300
Date: 2015-04-03 22:55:19 UTC
From: hmholden69@...
Topic: 121 Message: 121

I have just gotten an R 300 and noticed that the rig uses slide switches enclosed in a metal shroud. How do you clean these contacts?

122. Re: R 300 Bandswitch Cleaning

Yahoo group: kenwoodr300
Date: 2015-04-16 18:25:49 UTC
From: n0sya@...
Topic: 121 Message: 122

In such a case I would use some spray cleaner that was known not to harm plastics or cause other issues. Sometimes these kinds of switches can be disassembled by untwisting tabs or unbending them to release the parts. Also, erratic operation might be restored by simply actuating the switch several times. Just some thoughts for you,

Chris

123. Re: R 300 Bandswitch Cleaning

Yahoo group: kenwoodr300
Date: 2015-04-17 17:44:34 UTC
From: n0sya@...
Topic: 121 Message: 123

Just came to me that from what I've read of the IF bandwidth filter switching in the 300 they route the actual rf through the switches, so keeping them clean and low resistance should be a requisite for top performance.

Chris

124. R 300 S Meter Lamp

Yahoo group: kenwoodr300
Date: 2015-10-26 02:45:33 UTC
From: hmholden69@...
Topic: 124 Message: 124

My S Meter lamp is out. Anybody know of a good source for a replacement lamp? How hard is this to replace?

125. Re: R 300 S Meter Lamp

Yahoo group: kenwoodr300
Date: 2015-11-05 16:18:24 UTC
From: jsdspif@...
Topic: 124 Message: 125

check out kenselectronics.com once you remove the bulb . He has a lot of stuff that probably wouldn't be found anywhere else . Come to think of it , I messed with my radio the other night and I think I have a light out on that .

126. Re: R 300 S Meter Lamp

Yahoo group: kenwoodr300
Date: 2015-11-05 15:28:50 UTC
From: n0sya@...
Topic: 124 Message: 126

Hi, the schematic says all lamps are 12v, 1.5w bulbs, but I don't have a r300 here to see if they're solder or screw in, sorry! I wonder if kw still has them? Regardless you should be able to roll your own taking into consideration the specs I noted, or even install leds in their place.

Chris

127. R300 band "B"

Yahoo group: kenwoodr300
Date: 2015-11-22 20:26:03 UTC
From: pehamel@...
Topic: 127 Message: 127

I have an R-300 to repair for an old friend.
Band "B" is the only one with trouble.
The RF amp antenna coil plastic form was bent so the slug could not be adjusted far enough into the coil winding. How it worked in the first place is a mystery.
The symptom was that the bottom part of the band would not align. The rest of the bands were easy to get -100dbm sensitivity, but this band just barely hears -40dbm at 600kc.
I trimmed the plastic at the top of the coil form and found a replacement for the cracked slug, but still can't get it to align,
Outside of grinding down the threads on part of the slug so it will go farther into the winding part of the form, does anyone have a better idea or a spare L-2 coil from a parted-out R-300 ?
The diagram shows that the coil is a single winding tapped, it appears to actually be two separate wires wound together. Kenwood says it is not available.
Thank you,
Pat W5THT

128. Re: R300 band "B"

Yahoo group: kenwoodr300
Date: 2016-02-21 18:05:57 UTC
From: n0sya@...
Topic: 127 Message: 128

You might be able to get a replacement inductor from a repair shop that services HAM radios and sw sets, but is there another way to attack this? Such as changing the value of a cap in the circuit to allow the inductor to cover the desired range? Just a thought,

Chris

129. Some new members in the last week or so

Yahoo group: kenwoodr300
Date: 2016-08-07 17:28:48 UTC
From: n0sya@...
Topic: 129 Message: 129

Greetings to the new members, hope you find the site useful in your r300 endeavors, it's a great rig with unique styling! There's a good deal of info on the rig available, and members are often quiet but jump into the conversation when a question arises.

73

Chris

130. not much activity here, so a question?

Yahoo group: kenwoodr300
Date: 2017-03-13 18:13:51 UTC
From: jsdspif@...
Topic: 130 Message: 130

had my radio out this morning. I never have gotten around to cleaning the switches and what not. Seemed to work pretty good but the top band (E or F??) the 18 to 30 Mhz one seems really really quiet and I couldn't even tune in the marker. Just wondering if they all behave this way or if it a special function of just my unit. I did the marker at various points on the other bands just to see how accurate the dials were and it was spot on everywhere, except that highest band. Switches and knobs were just slightly scratchy but nothing really annoying. I thought I was picking up some hong kong and china stuff. It was in english but the one station was talking about hong kong while the other was discussing China. Also got a french station that I think was from france because the signal was weak and I'm in Michigan so I thought it probably isn't a canadian french speaking station because the signal just wasn't there. Got wrmi from florida, that was just about pegging my s meter. I was using just one of those pvc verticle deals that is up on my roof, probably about 20 feet high or so. I have a longwire to. about 130 feet or so but it doesn't really do much better than that vertical and it picks up more noise also.
Well, if anyone can chime in on the performance of the uppermost band I'd appreciate it.

131. Re: [kenwoodr300] not much activity here, so a question?

Yahoo group: kenwoodr300
Date: 2017-03-13 18:48:25 UTC
From: Jim McClanahan
Topic: 130 Message: 131

If I remember right, the rig goes to double conversion on the upper band only. (To improve image rejection.) It would add a few more pieces to the puzzle that could break and not impact performance on the other bands.
Jim

Sent from Yahoo Mail on Android

On Mon, Mar 13, 2017 at 1:40 PM, jsdspif@... [kenwoodr300]<kenwoodr300@yahoogroups.com> wrote: <!--#yiv5594835110 #yiv5594835110 .yiv5594835110ygrp-photo-title{clear:both;font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv5594835110 div.yiv5594835110ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;height:62px;width:62px;}#yiv5594835110 div.yiv5594835110photo-title a, #yiv5594835110 div.yiv5594835110photo-title a:active, #yiv5594835110 div.yiv5594835110photo-title a:hover, #yiv5594835110 div.yiv5594835110photo-title a:visited {text-decoration:none;}#yiv5594835110 div.yiv5594835110attach-table div.yiv5594835110attach-row {clear:both;}#yiv5594835110 div.yiv5594835110attach-table div.yiv5594835110attach-row div {float:left;}#yiv5594835110 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv5594835110 div.yiv5594835110ygrp-file {width:30px;}#yiv5594835110 div.yiv5594835110attach-table div.yiv5594835110attach-row div div a {text-decoration:none;}#yiv5594835110 div.yiv5594835110attach-table div.yiv5594835110attach-row div div span {font-weight:normal;}#yiv5594835110 div.yiv5594835110ygrp-file-title {font-weight:bold;}#yiv5594835110 --> <!--#yiv5594835110 #yiv5594835110ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv5594835110 #yiv5594835110ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv5594835110 #yiv5594835110ygrp-mkp #yiv5594835110hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv5594835110 #yiv5594835110ygrp-mkp #yiv5594835110ads {margin-bottom:10px;}#yiv5594835110 #yiv5594835110ygrp-mkp .yiv5594835110ad {padding:0 0;}#yiv5594835110 #yiv5594835110ygrp-mkp .yiv5594835110ad p {margin:0;}#yiv5594835110 #yiv5594835110ygrp-mkp .yiv5594835110ad a {color:#0000ff;text-decoration:none;}-->

had my radio out this morning. I never have gotten around to cleaning the switches and what not. Seemed to work pretty good but the top band (E or F??) the 18 to 30 Mhz one seems really really quiet and I couldn't even tune in the marker. Just wondering if they all behave this way or if it a special function of just my unit. I did the marker at various points on the other bands just to see how accurate the dials were and it was spot on everywhere, except that highest band. Switches and knobs were just slightly scratchy but nothing really annoying. I thought I was picking up some hong kong and china stuff. It was in english but the one station was talking about hong kong while the other was discussing China. Also got a french station that I think was from france because the signal was weak and I'm in Michigan so I thought it probably isn't a canadian french speaking station because the signal just wasn't there. Got wrmi from florida, that was just about pegging my s meter. I was using just one of those pvc verticle deals that is up on my roof, probably about 20 feet high or so. I have a longwire to. about 130 feet or so but it doesn't really do much better than that vertical and it picks up more noise also.
    Well, if anyone can chime in on the performance of the uppermost band I'd appreciate

it.

132. Re: [kenwoodr300] not much activity here, so a question?

Yahoo group: kenwoodr300
Date: 2017-03-14 15:30:14 UTC
From: n0sya@...
Topic: 130 Message: 132

When cleaning the bandswitch wafers it might be best to use a ink pen eraser or a pencil eraser on the contacts you can reach and forgo spray on cleaners. When the wafers get saturated with tuner lube or whatever they may leak signals and cause all sorts of issues.

The rig should be about as sensitive on the higher bands as anywhere else, and the antenna trimmer might be playing a role in the issue too, did you adjust the antenna trimmer for each band?
Just some thoughts for ya.

Chris

133. Re: [kenwoodr300] not much activity here, so a question?

Yahoo group: kenwoodr300
Date: 2017-03-14 18:18:35 UTC
From: jsdspif@...
Topic: 130 Message: 133

yeah the trimmer def. plays a role in tuning. I'm not going to do the eraser route though. I tried that on a radio shack dx and bumped one of the wipers (or whatever they're called) and bent it out of shape. I know the sprays do dump about 1000 times more cleaner than needed. I think I'll just apply one or 2 drops of cleaner and rotate the switch and then dab it with a cotton swab to soak up the excess. That's what I did a while back with some other noisy switches. The double conversion thing makes sense to me as I know aligning the radio shack dx's on that top band is almost a crapshoot as far as if you're on the actual signal or the image. I suppose if you aligned them over and over it wouldn't be a problem, but only doing it once every 5 years leaves me somewhat confused. My bandswitch is a little noisy when switching. It's actually the noisiest switch/button on the unit. My bandspread dial light is also burnt out so when I open it up I'll fix that. I think I have the light for it. It was a 2 pack and I used one on my oscilloscope. It's an older one and I always thought the gradient screen (or whatever) was somewhat poorly lit and when I took that portion off to clean it I saw it had 2 little bulbs at the top for lighting and one was burnt out and the 2 I had that I thought were for the 300 were just right. I had forgotten what I bought the bulbs for but as soon as I turned on the 300 and saw that dial not lighting it hit me "that's what I bought those lights for". I think someone on here gave me the info on what to order. Well one of these days I'll get that opened up and report back what I've found. I've started messing with CED players from the late 70's early 80's about a year ago. They play movies and the movies look like a record album. Alot of people have forgotten the format or never knew it existed while others remember it very well. All designed and made by RCA down near Indianapolis, but being released at the same time videotape was hitting the market it was a huge failure. So mkessing with those has put the shortwave listening on the back burner. Thanks for the replies.

134. send mail

Yahoo group: kenwoodr300
Date: 2017-07-07 09:59:20 UTC
From: Dale Taylor
Topic: 134 Message: 134

```
Will like to send mail to the members
               Tks Dale wb8woj
```

135. R300 Users

Yahoo group: kenwoodr300
Date: 2017-07-09 10:17:07 UTC
From: ranger1dale@...
Topic: 135 Message: 135
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Group: Question !!
Anyone using the R300 with a freq counter added ? if so like to know how you tap the freq pickup Where ?
also need schematic on the below picture and Inside pictures to help restore this item to working shape.

Tks Dale

I think its the older Ver ?

Working to point of weak sensitivity problem , in the RF section , Placing a ant near or touch C6 on the RF PCB got a good reception ..

NOTE:: Yes Q1 is missing on the RF PCB , Testing the Transistor ..

136. Re: R300 Users

Yahoo group: kenwoodr300
Date: 2017-07-10 14:36:11 UTC
From: jsdspif@...
Topic: 135 Message: 136

http://www.radiomanual.info/schemi/Kenwood_R300_user.pdf
http://www.radiomanual.info/schemi/Kenwood_R300_user.pdf

That's a link for the manual. It has the schematic and also instructions for aligning it. Somewhere on the web I thought I saw instructions for adding a frequency counter to a radio shack dx-160 and I thought I saw something with adding one to a dx-200 which is alot like the kenwood. The dx-160 info would probably be easy to search for and find something and maybe that would help. The dx-200 would probably be a little more difficult to find but might be more help, because it's quite a bit like the kenwood. Might give you an idea of what to look for.

137. R300 Looking for a Home

Yahoo group: kenwoodr300
Date: 2017-08-11 10:26:37 UTC
From: ranger1dale@...
Topic: 137 Message: 137

Hello Group , Have a R-300 looking for a home, Pickup from older Listener and not using it tested with out a ant , seems to be sharp , has been updated on few things also has a preamp installed . If your interested email me ranger1dale@yahoo.com . shipping USA only sorry ..